

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058594.D
 Acq On : 8 Oct 2019 1:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:51:03 AM

Quant Time: Oct 08 16:03:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	441207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	726061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	672717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	328063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	303902	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	7.57	113	221988	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	10.08	98	863730	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.41	95	329205	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	213391	44.109	ug/l	99
3) Chloromethane	2.04	50	292951	55.080	ug/l	100
4) Vinyl Chloride	2.17	62	282553	54.231	ug/l	98
5) Bromomethane	2.54	94	145350	52.521	ug/l	98
6) Chloroethane	2.68	64	169774	54.383	ug/l	96
7) Trichlorofluoromethane	3.00	101	347388	55.251	ug/l	97
8) Diethyl Ether	3.39	74	140036	51.620	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	207447	48.582	ug/l	98
10) Methyl Iodide	3.93	142	222283	46.947	ug/l	99
11) Tert butyl alcohol	4.76	59	237893	332.128	ug/l	98
12) 1,1-Dichloroethene	3.72	96	199496	47.931	ug/l	99
13) Acrolein	3.58	56	67864	297.889	ug/l	100
14) Allyl chloride	4.30	41	394062	52.026	ug/l	93
15) Acrylonitrile	4.96	53	596155	285.580	ug/l	99
16) Acetone	3.79	43	519674	236.441	ug/l	97
17) Carbon Disulfide	4.03	76	535882	48.843	ug/l	98
18) Methyl Acetate	4.30	43	306446	55.435	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	790288	53.814	ug/l	99
20) Methylene Chloride	4.53	84	247464	48.789	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	226150	48.862	ug/l	99
22) Diisopropyl ether	5.93	45	858578	52.675	ug/l	100
23) Vinyl Acetate	5.87	43	3447683	280.527	ug/l	99
24) 1,1-Dichloroethane	5.82	63	473385	51.605	ug/l	100
25) 2-Butanone	6.81	43	803241	266.181	ug/l	100
26) 2,2-Dichloropropane	6.81	77	315011	41.770	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	272027	50.287	ug/l	97
28) Bromochloromethane	7.18	49	185702	50.644	ug/l	99
29) Tetrahydrofuran	7.19	42	528325	275.848	ug/l	99
30) Chloroform	7.36	83	474091	51.002	ug/l	100
31) Cyclohexane	7.63	56	399985	44.826	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	412241	54.005	ug/l	98
36) 1,1-Dichloropropene	7.78	75	342360	49.313	ug/l	98
37) Ethyl Acetate	6.91	43	340668	57.877	ug/l	99
38) Carbon Tetrachloride	7.76	117	350166	55.878	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	386761	47.705	ug/l	100
40) Benzene	8.03	78	1024806	51.353	ug/l	99
41) Methacrylonitrile	7.16	41	134727m	49.753	ug/l	
42) 1,2-Dichloroethane	8.11	62	399565	51.464	ug/l	100
43) Isopropyl Acetate	8.15	43	589982	53.302	ug/l #	90
44) Trichloroethene	8.82	130	257895	52.337	ug/l	99
45) 1,2-Dichloropropane	9.11	63	284364	53.131	ug/l	98
46) Dibromomethane	9.20	93	177117	52.256	ug/l	99
47) Bromodichloromethane	9.39	83	373270	58.125	ug/l	99
48) Methyl methacrylate	9.19	41	278835	55.324	ug/l	95
49) 1,4-Dioxane	9.19	88	97603	1448.282	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1716535	301.911	ug/l	99
52) Toluene	10.15	92	640580	50.998	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	408348	58.421	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	437675	56.409	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	253445	55.414	ug/l	99
56) Ethyl methacrylate	10.43	69	399731	57.597	ug/l	96
57) 1,3-Dichloropropane	10.71	76	449766	55.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	979818	354.064	ug/l	99
59) 2-Hexanone	10.75	43	1234242	298.129	ug/l	99
60) Dibromochloromethane	10.90	129	274974	58.148	ug/l	99
61) 1,2-Dibromoethane	11.00	107	257886	55.182	ug/l	99
64) Tetrachloroethene	10.63	164	236326	55.294	ug/l	98
65) Chlorobenzene	11.44	112	682964	51.074	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	259133	57.517	ug/l	99
67) Ethyl Benzene	11.51	91	1260503	52.042	ug/l	100
68) m/p-Xylenes	11.62	106	936926	102.814	ug/l	99
69) o-Xylene	11.95	106	452146	51.542	ug/l	99
70) Styrene	11.97	104	757512	53.154	ug/l	99
71) Bromoform	12.13	173	185845	59.555	ug/l #	100
73) Isopropylbenzene	12.25	105	1226269	50.579	ug/l	99
74) N-amyl acetate	12.07	43	528642	54.809	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	379023	52.868	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	359726m	60.033	ug/l	
77) Bromobenzene	12.53	156	292809	51.507	ug/l	99
78) n-propylbenzene	12.60	91	1423178	52.104	ug/l	99
79) 2-Chlorotoluene	12.68	91	862609	51.165	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1046852	51.581	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	110778	56.148	ug/l	93
82) 4-Chlorotoluene	12.78	91	888304	51.636	ug/l	100
83) tert-Butylbenzene	13.00	119	883274	51.577	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	1048735	51.576	ug/l	98
85) sec-Butylbenzene	13.18	105	1176821	52.209	ug/l	99
86) p-Isopropyltoluene	13.30	119	1070590	53.958	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	532091	51.619	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	528747	51.556	ug/l	99
89) n-Butylbenzene	13.62	91	956379	53.212	ug/l	100
90) Hexachloroethane	13.88	117	184533	61.901	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	522828	52.787	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	73565	58.189	ug/l	99

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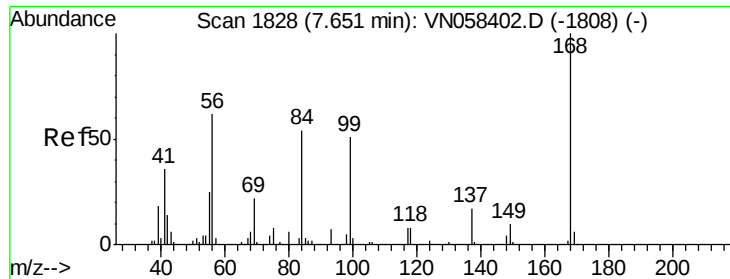
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	320754	58.605	ug/l	100
94) Hexachlorobutadiene	15.02	225	147563	52.456	ug/l	98
95) Naphthalene	15.13	128	900031	56.157	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	303726	55.355	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 441207

Ion Ratio Lower Upper

168 100

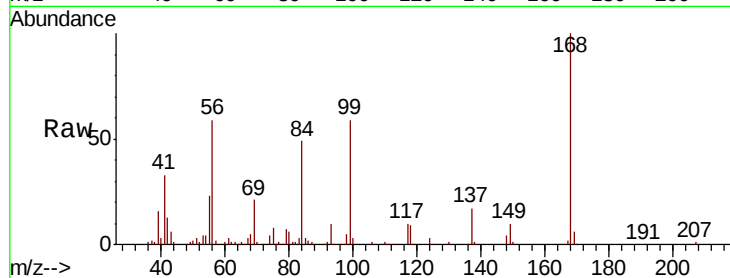
99 58.3 47.7 71.5

Manual Integrations

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10/9/2019 10:51:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

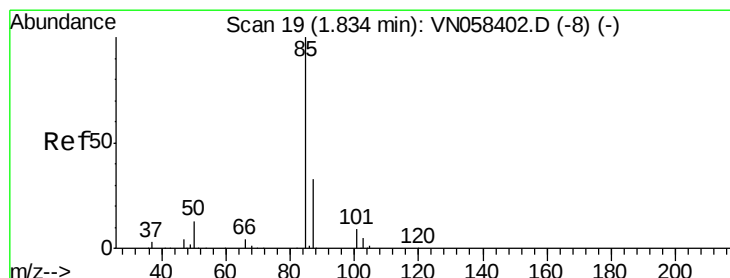
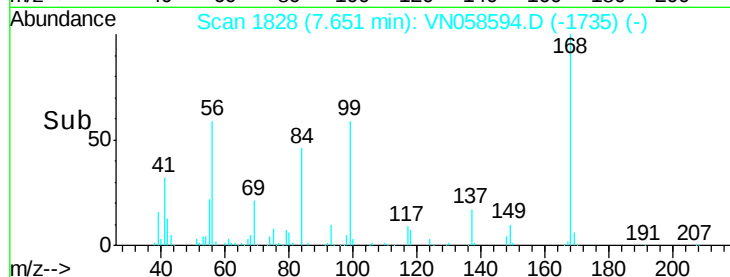
150000

100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 44.109 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058594.D

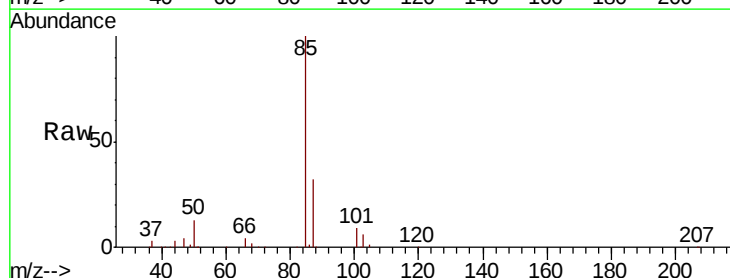
Acq: 8 Oct 2019 1:36

Tgt Ion: 85 Resp: 213391

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

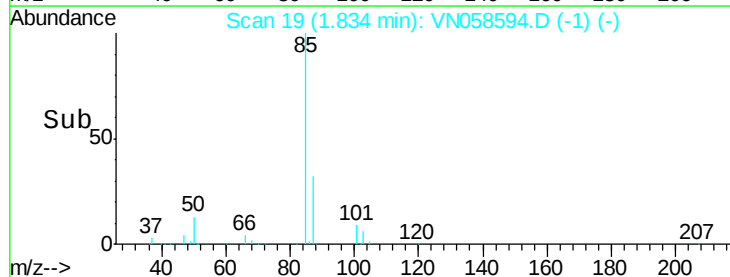
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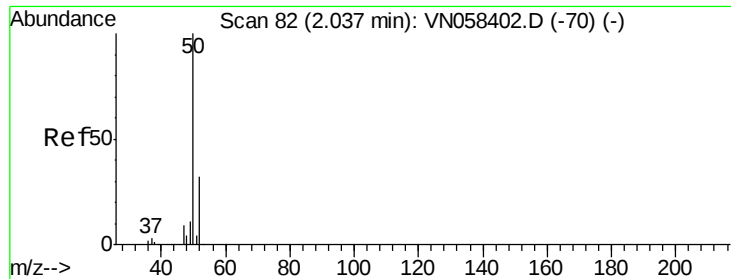
100000

50000

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Time-->





#3

Chloromethane

Concen: 55.080 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 292951

Ion Ratio Lower Upper

50 100

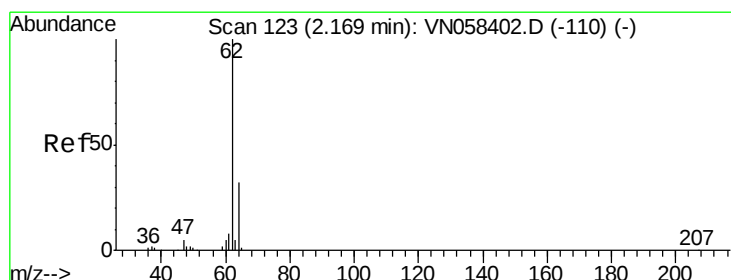
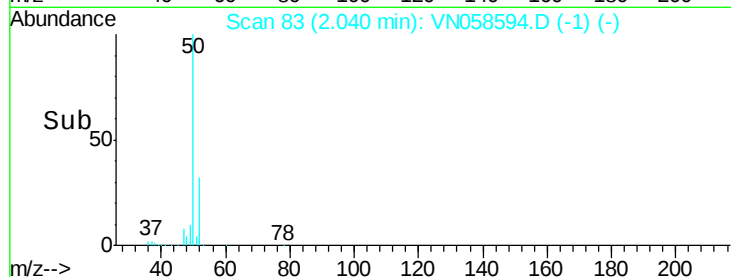
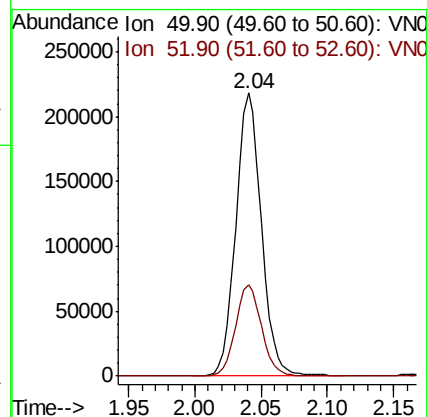
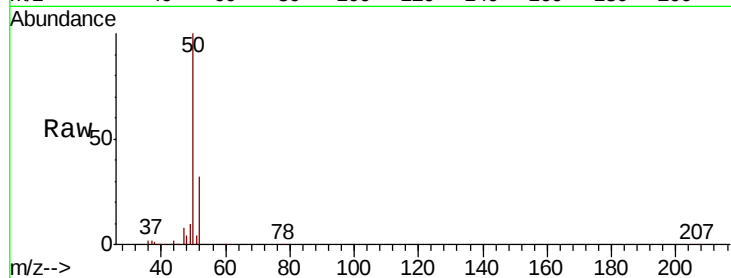
52 32.3 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.231 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058594.D

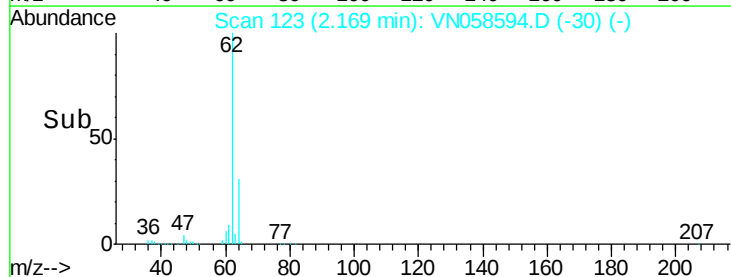
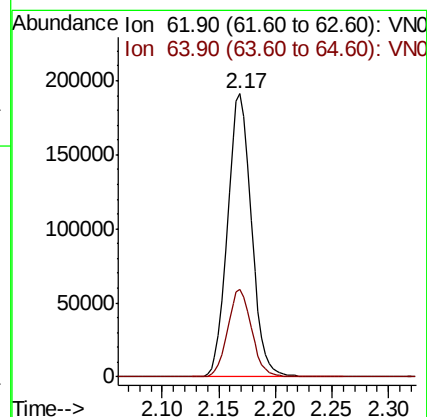
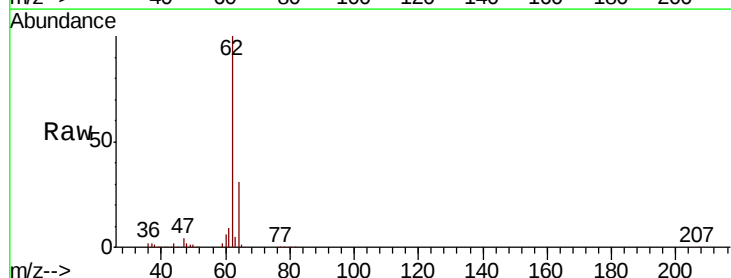
Acq: 8 Oct 2019 1:36

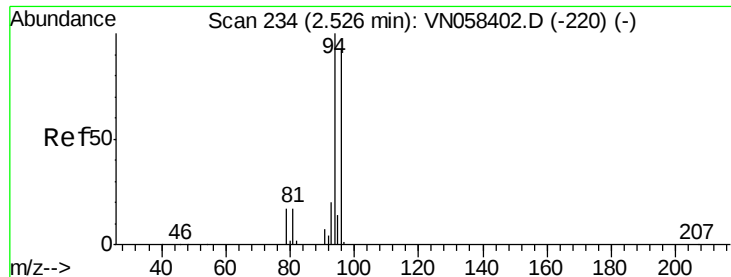
Tgt Ion: 62 Resp: 282553

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3





#5

Bromomethane

Concen: 52.521 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

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Tot Ion: 94 Resp: 145350

Ion Ratio Lower Upper

94 100

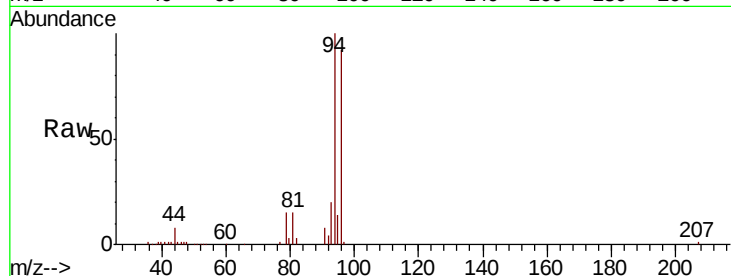
96 91.9 74.8 112.2

Manual Integrations

APPROVED

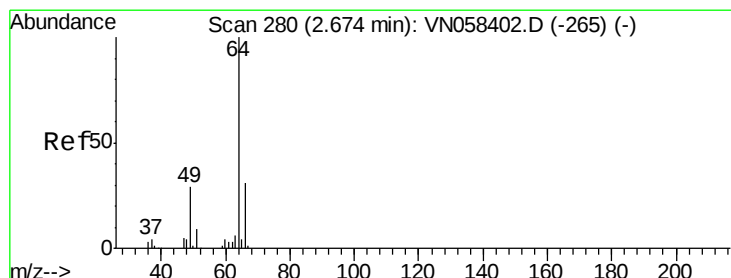
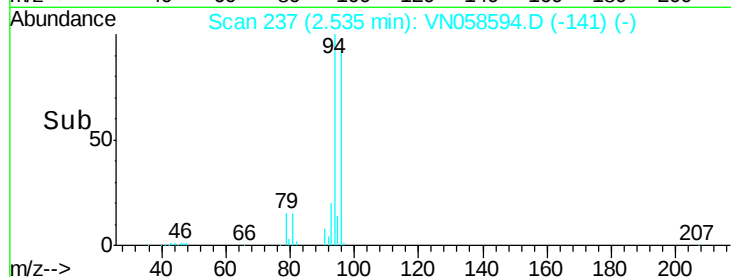
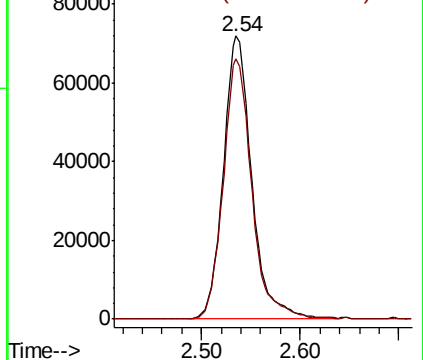
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10/9/2019 10:51:03 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 54.383 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058594.D

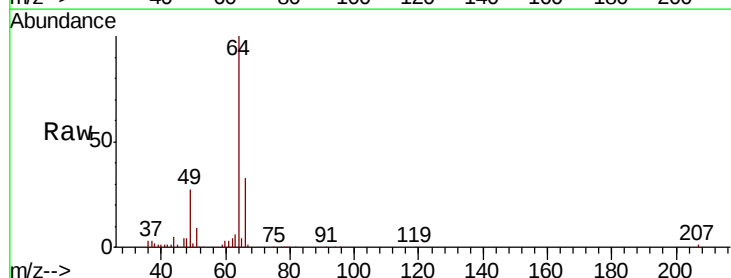
Acq: 8 Oct 2019 1:36

Tgt Ion: 64 Resp: 169774

Ion Ratio Lower Upper

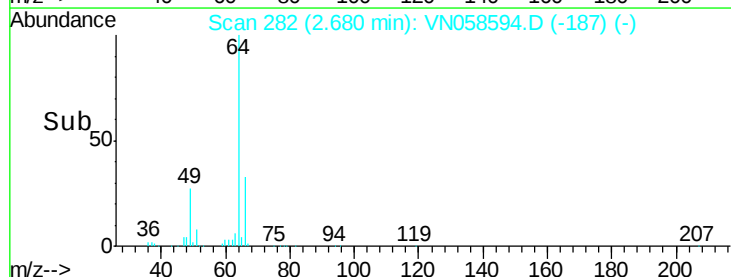
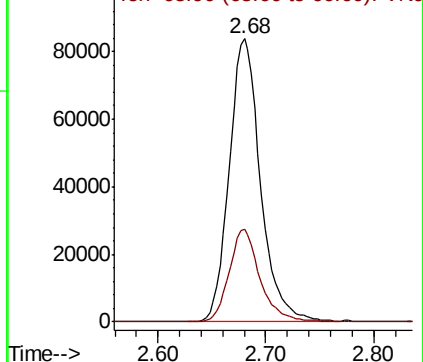
64 100

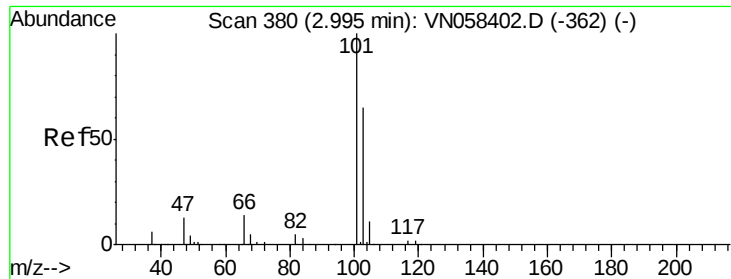
66 32.7 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

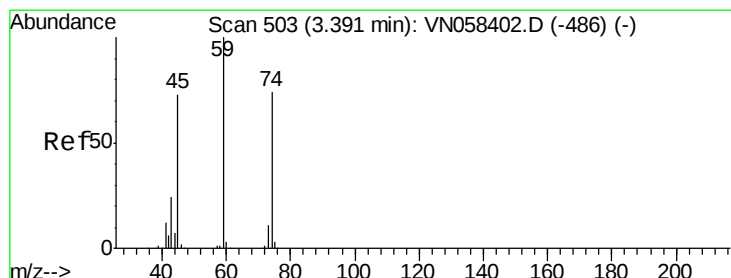
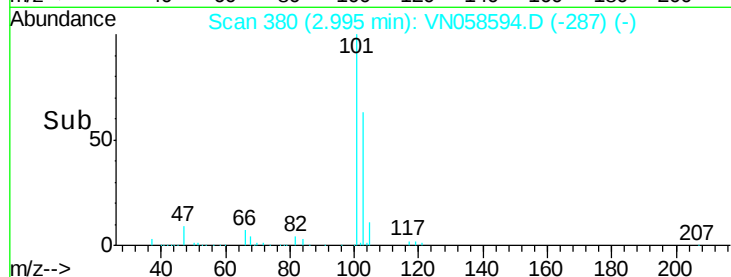
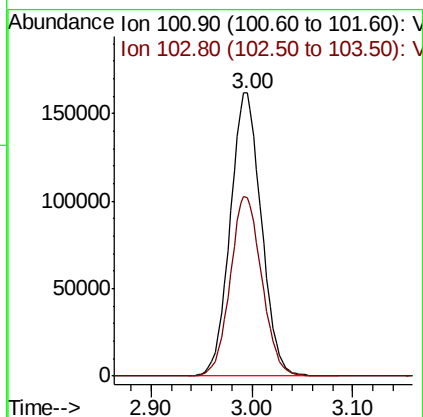
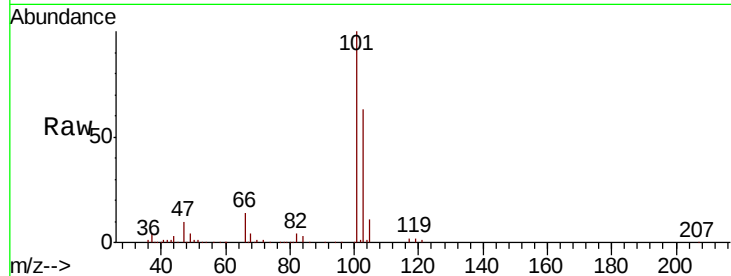
Trichlorofluoromethane
 Concen: 55.251 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.3	78.5

Manual Integrations
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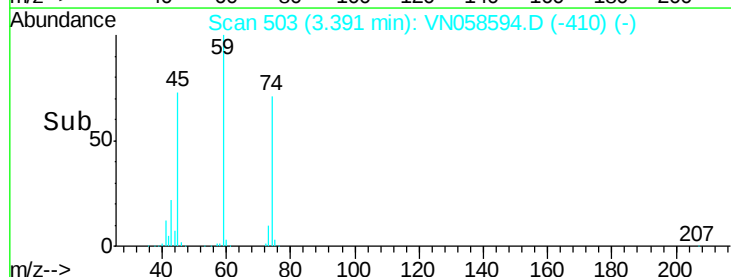
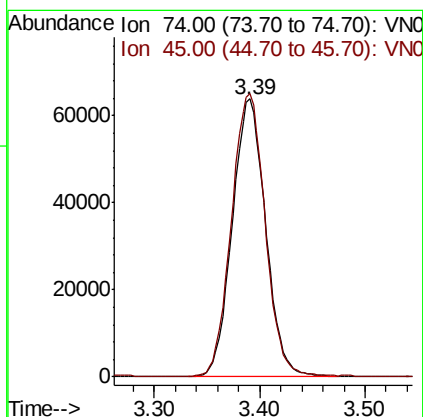
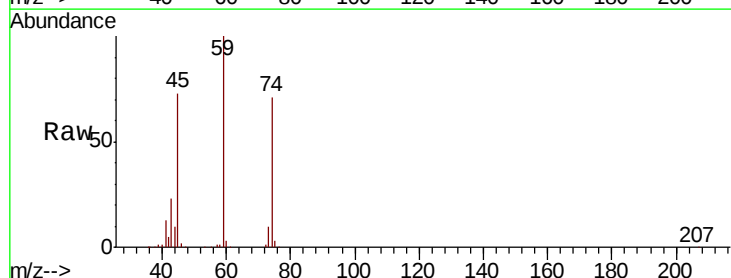
MMDadoda
 10/9/2019 10:51:03 AM

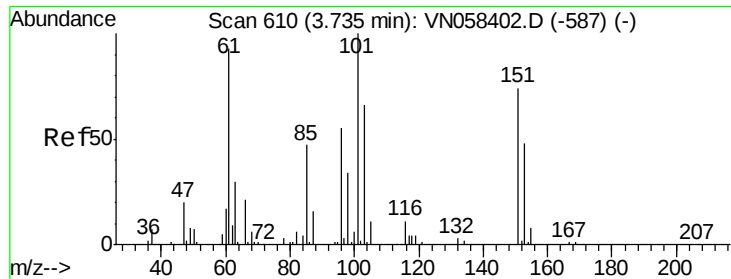


#8

Diethyl Ether
 Concen: 51.620 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.3	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.582 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

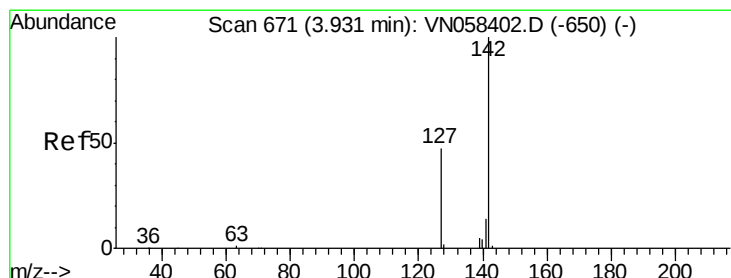
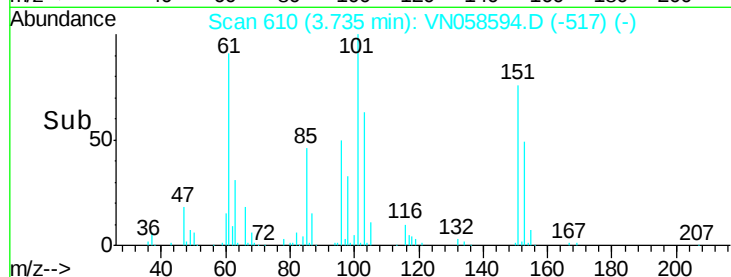
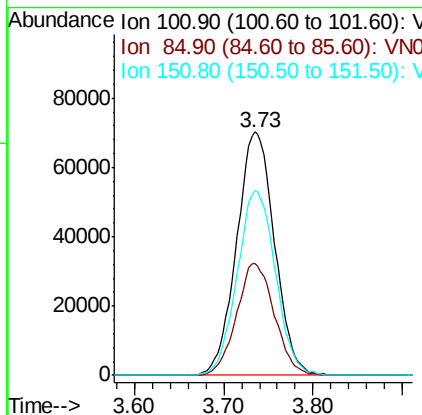
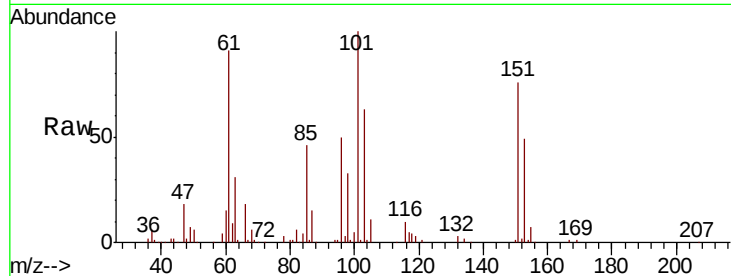
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	207447
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.7	55.1
151	76.8	59.4	89.0

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#10

Methyl Iodide

Concen: 46.947 ug/l

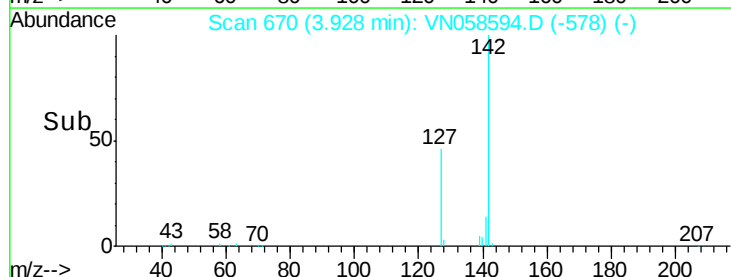
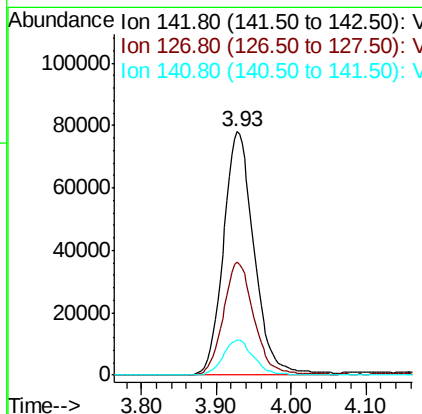
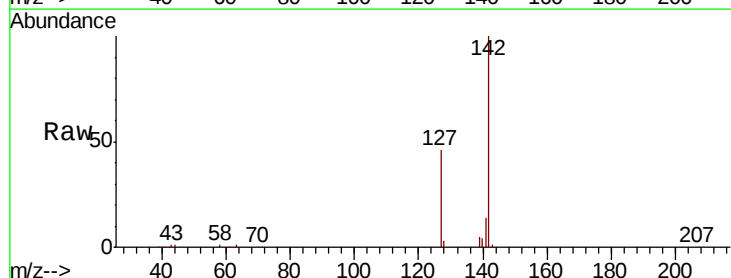
RT: 3.93 min Scan# 670

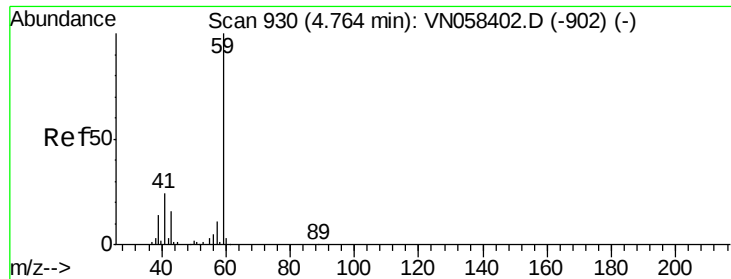
Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tgt Ion:	142	Resp:	222283
Ion Ratio	Lower	Upper	
142	100		
127	46.0	37.2	55.8
141	14.1	11.3	16.9





#11

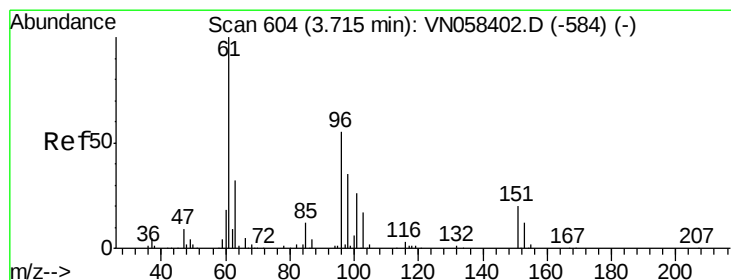
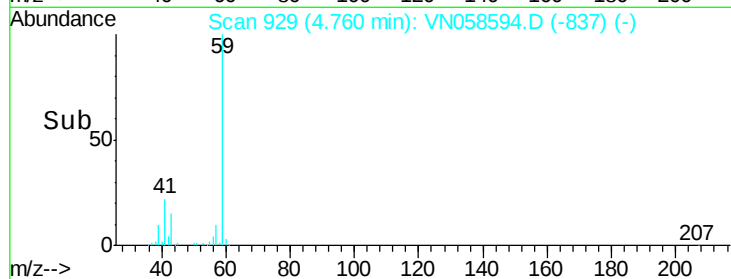
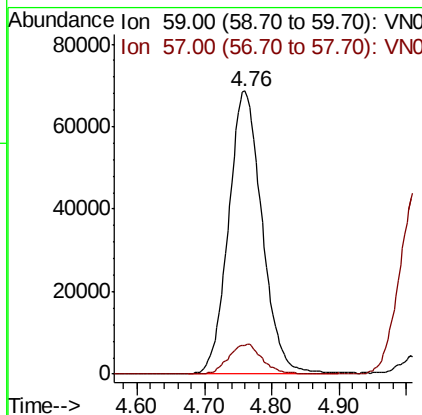
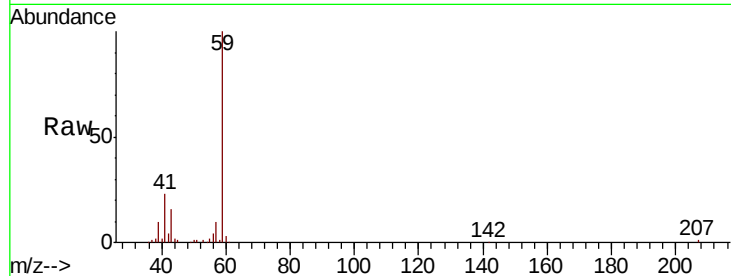
Tert butyl alcohol
 Concen: 332.128 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	237893
Ion Ratio	100	Lower	Upper
57	10.5	9.0	13.4

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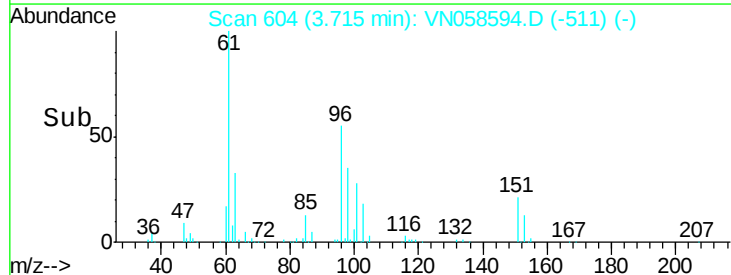
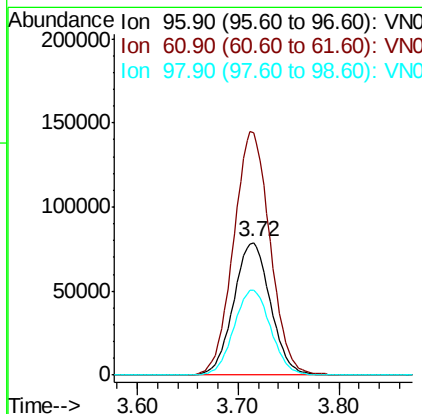
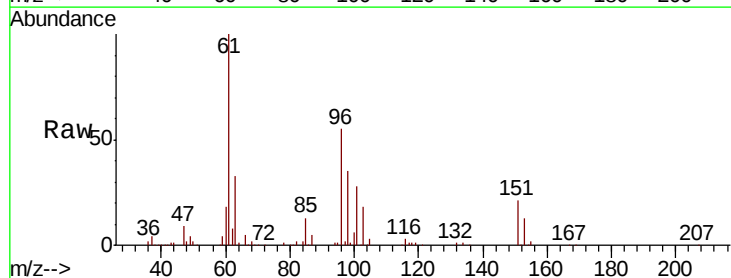
MMDadoda
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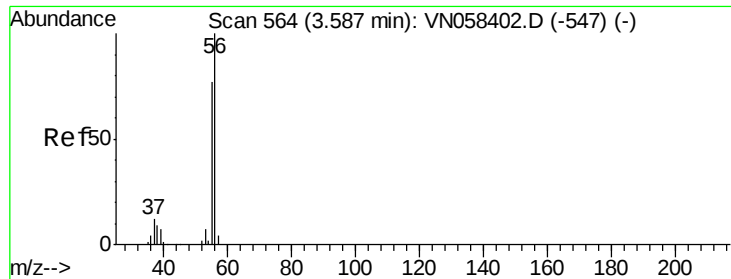


#12

1,1-Dichloroethene
 Concen: 47.931 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

Tgt Ion	96	Resp	199496
Ion Ratio	100	Lower	Upper
61	182.6	146.7	220.1
98	64.4	51.3	76.9





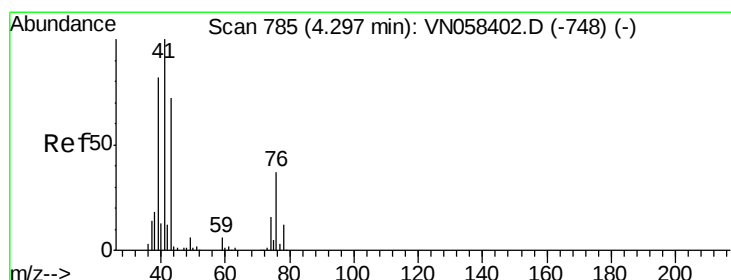
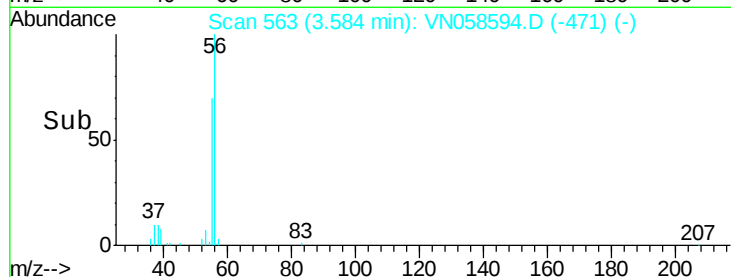
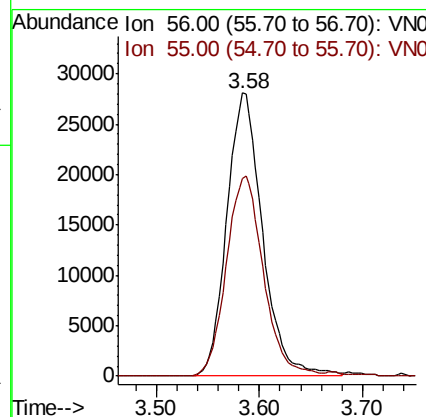
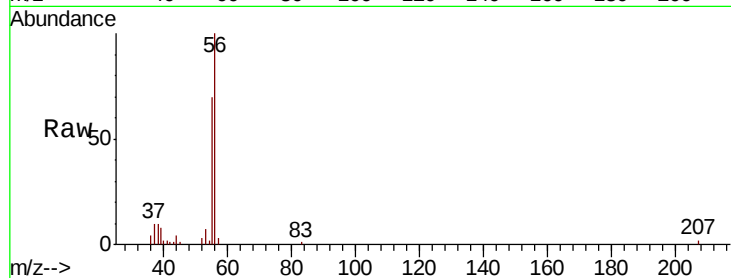
#13
Acrolein
Concen: 297.889 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	73.2	58.3	87.5

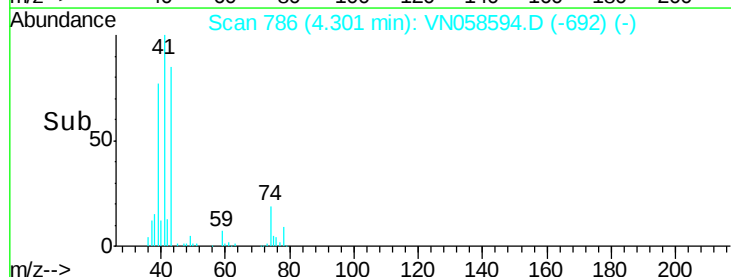
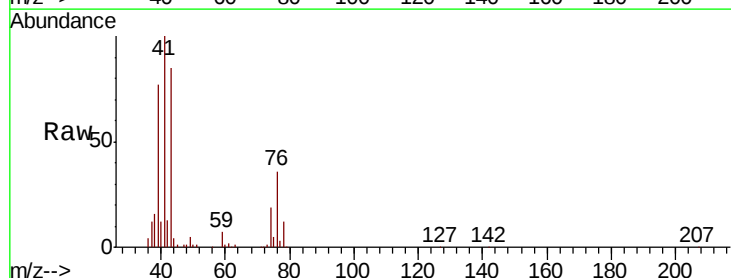
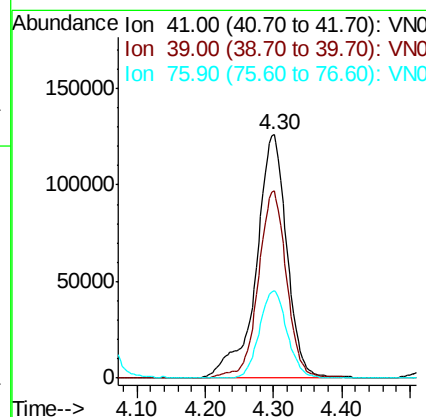
Manual Integrations
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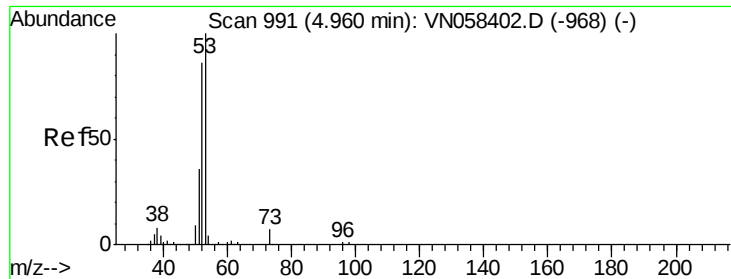
MMDadoda
10/9/2019 10:51:03 AM



#14
Allyl chloride
Concen: 52.026 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	70.8	62.3	93.5
76	76	32.1	26.9	40.3





#15

Acrylonitrile

Concen: 285.580 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

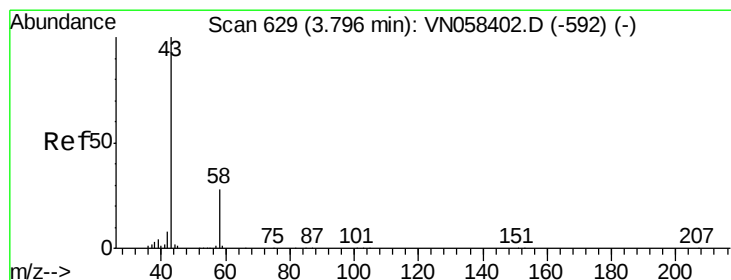
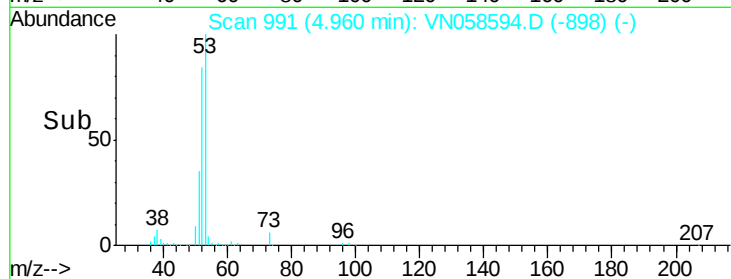
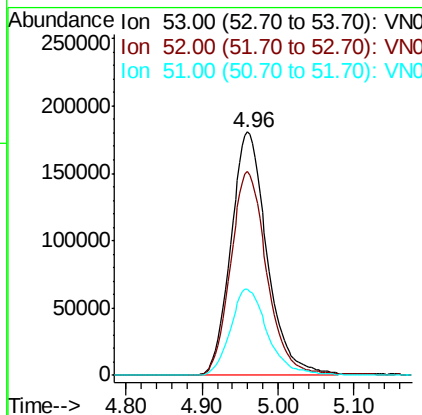
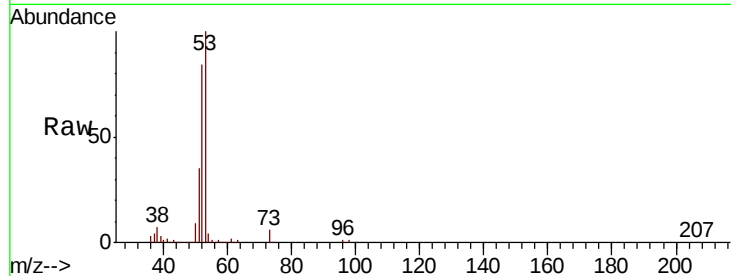
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	596155
Ion Ratio		Lower	Upper
53	100		
52	84.4	66.6	100.0
51	36.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 236.441 ug/l

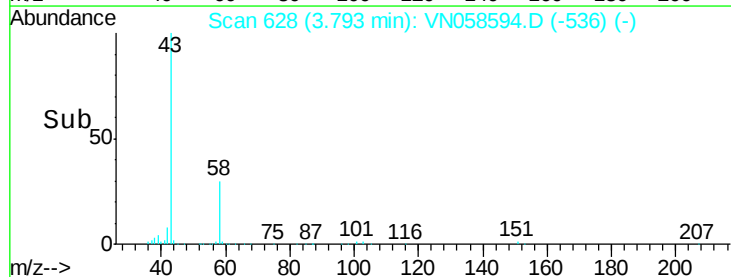
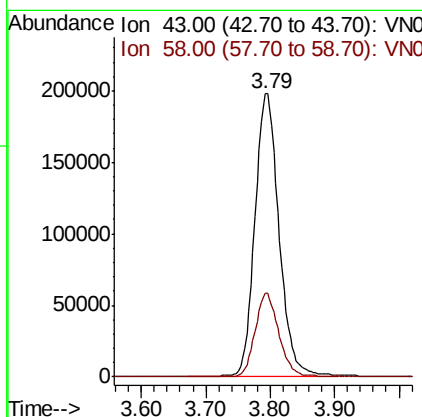
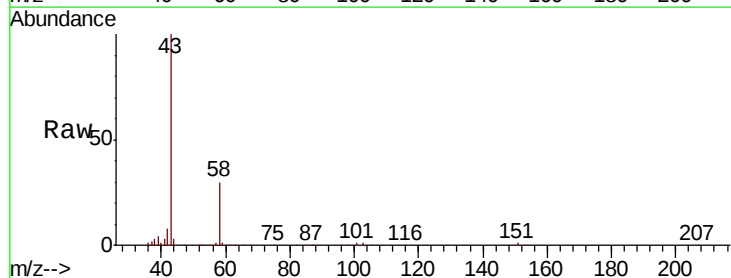
RT: 3.79 min Scan# 628

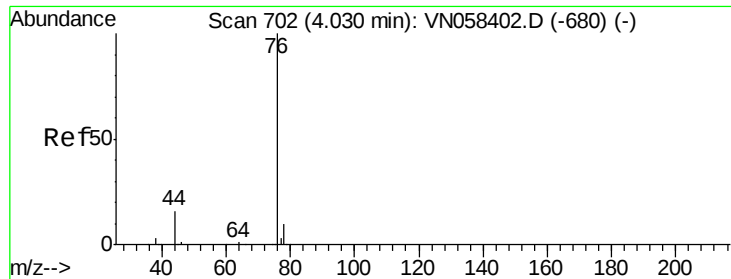
Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tgt Ion:	43	Resp:	519674
Ion Ratio		Lower	Upper
43	100		
58	29.6	22.4	33.6





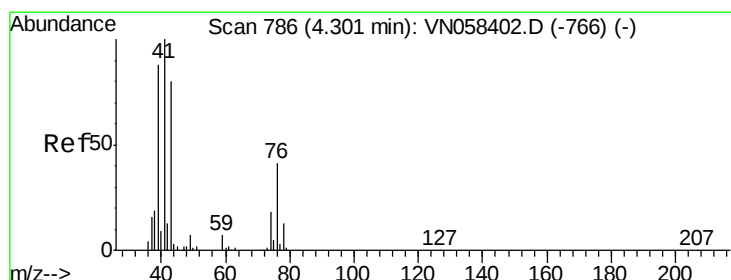
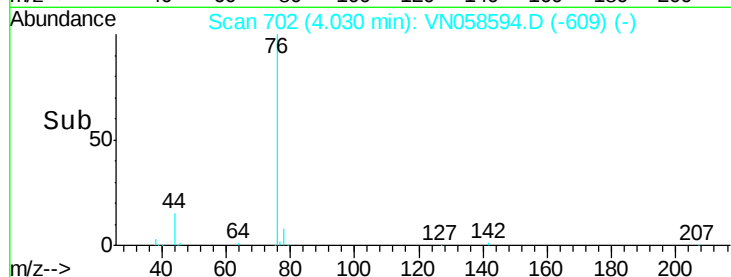
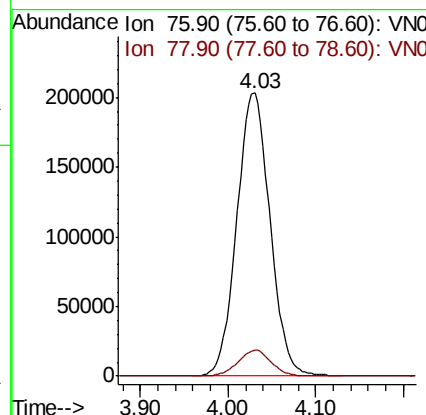
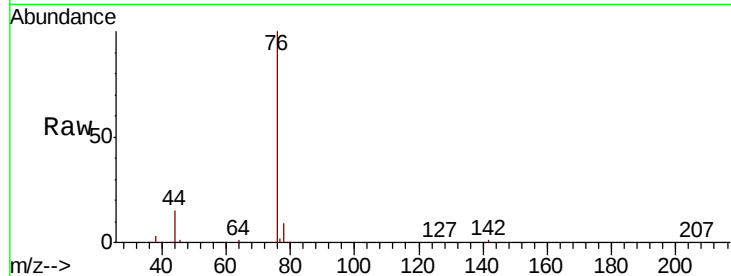
#17
Carbon Disulfide
Concen: 48.843 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.7	11.5

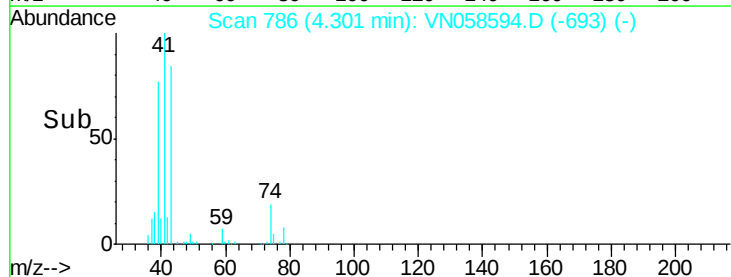
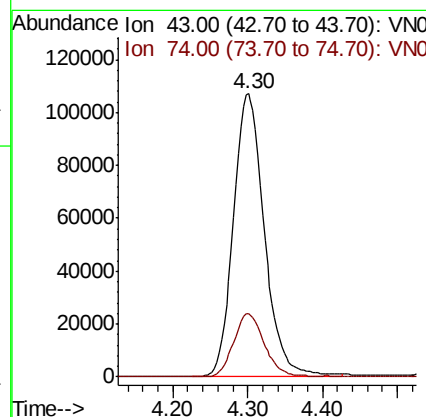
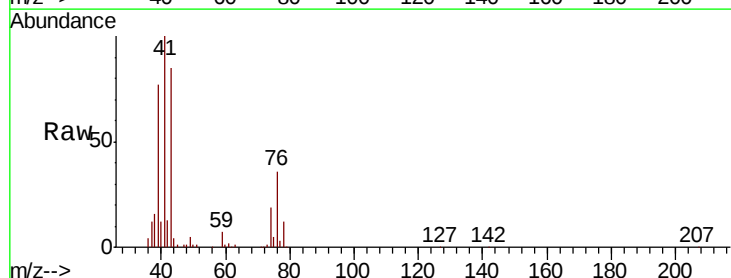
Manual Integrations
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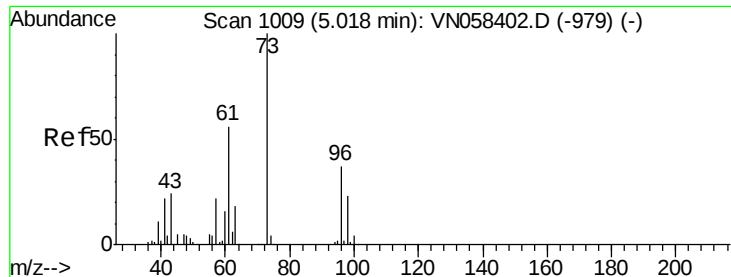
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#18
Methyl Acetate
Concen: 55.435 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.0	27.0





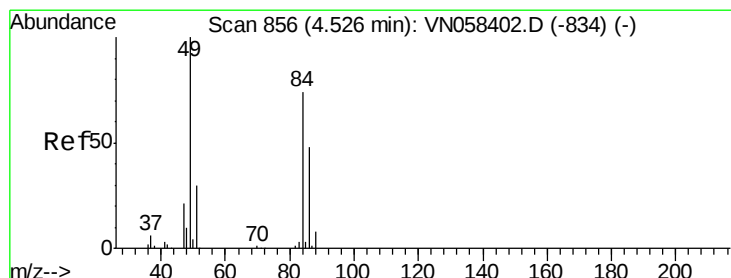
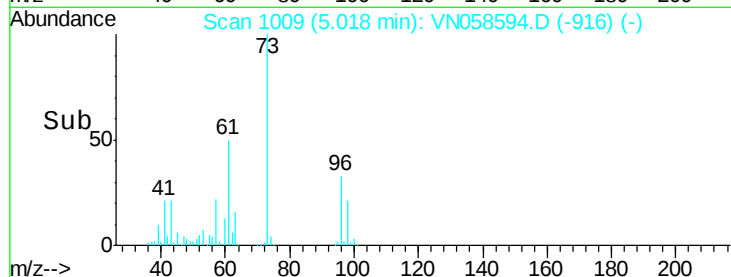
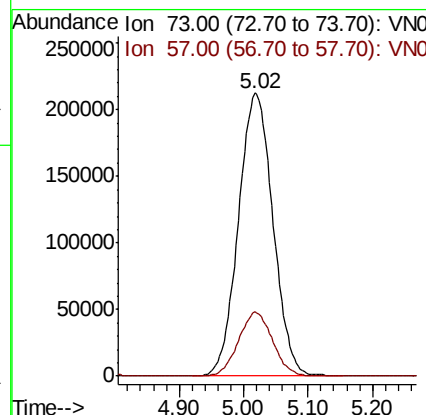
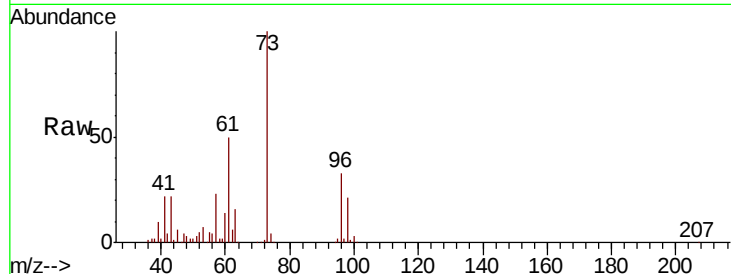
#19
Methvl tert-butvl Ether
Concen: 53.814 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 790288
Ion Ratio Lower Upper
73 100
57 22.7 17.6 26.4

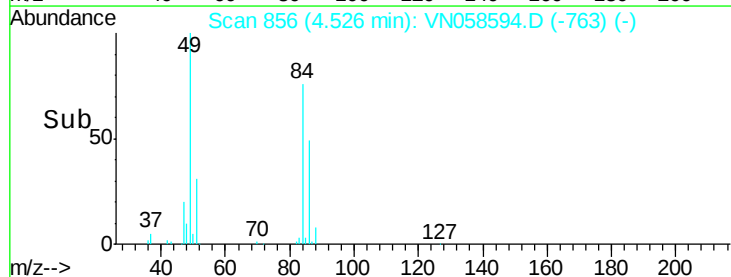
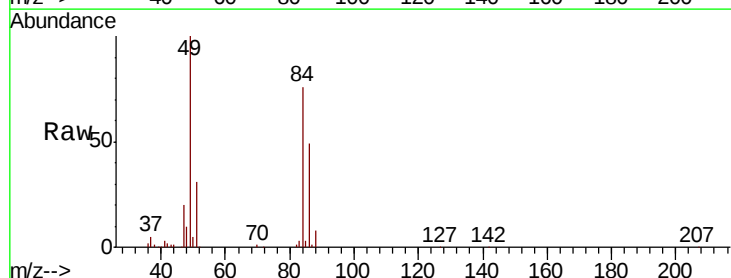
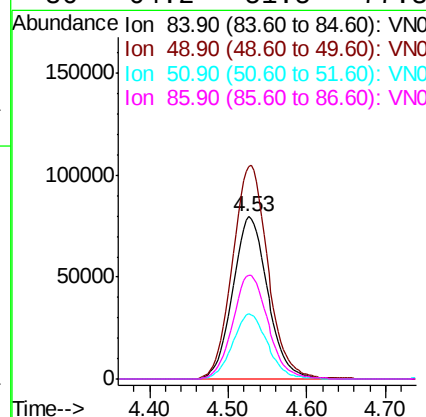
Manual Integrations
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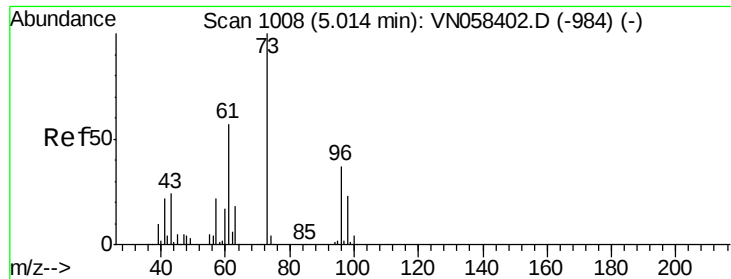
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10/9/2019 10:51:03 AM



#20
Methylene Chloride
Concen: 48.789 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion: 84 Resp: 247464
Ion Ratio Lower Upper
84 100
49 131.1 107.9 161.9
51 40.1 32.8 49.2
86 64.2 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.862 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

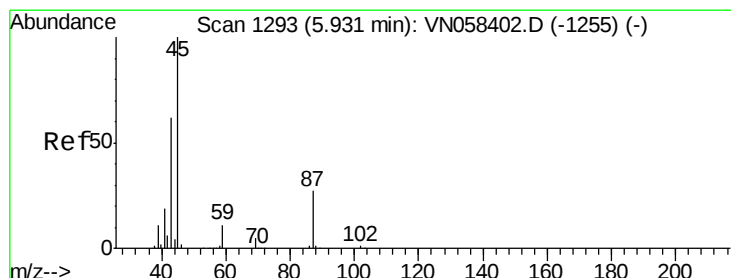
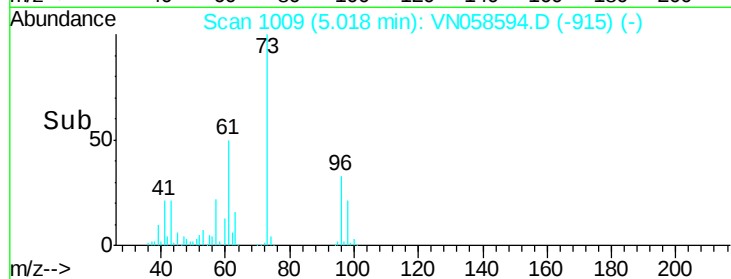
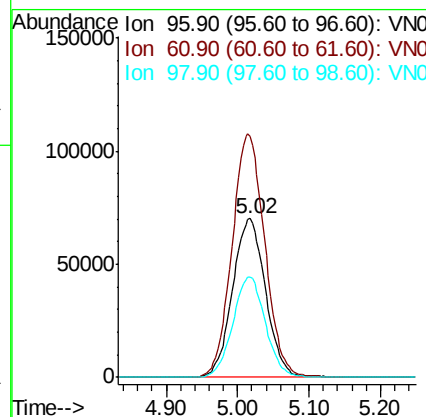
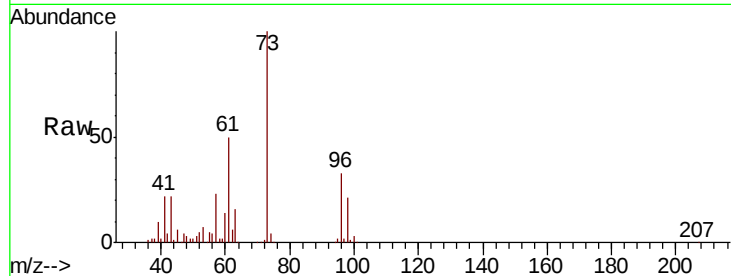
ClientSampled :

VSTDCCC050EC

Tot Ion:	96	Resp:	226150
Ion	Ratio	Lower	Upper
96	100		
61	151.6	121.9	182.9
98	63.2	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.675 ug/l

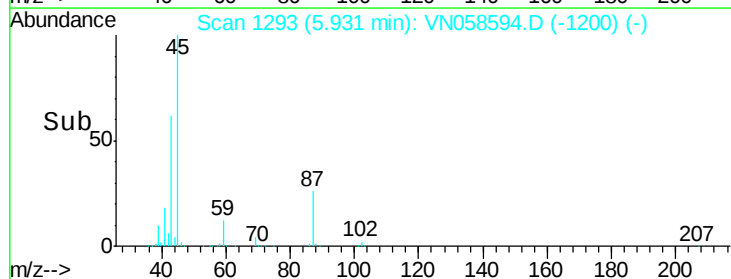
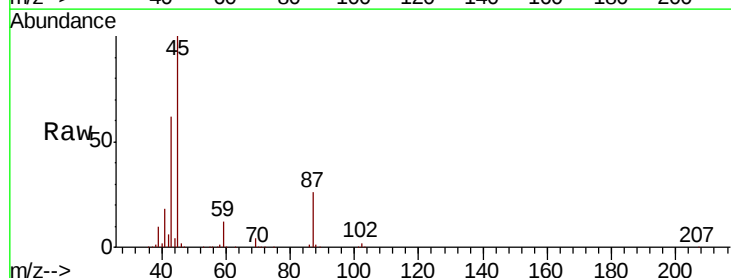
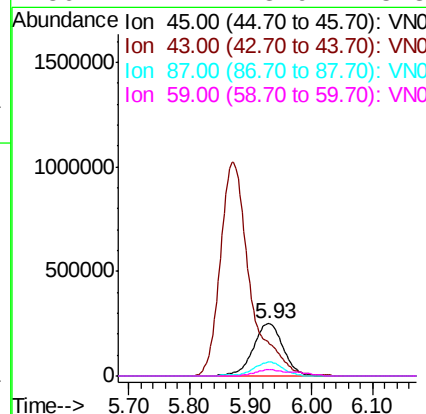
RT: 5.93 min Scan# 1293

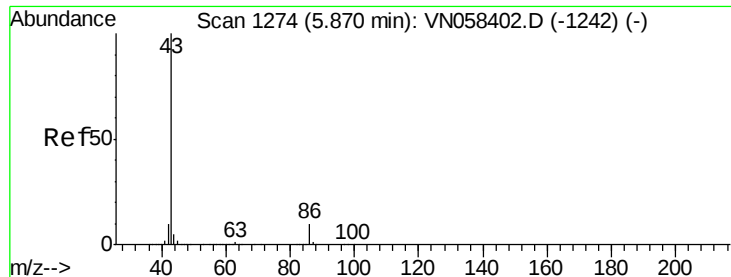
Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tgt Ion:	45	Resp:	858578
Ion	Ratio	Lower	Upper
45	100		
43	61.9	49.7	74.5
87	26.4	21.5	32.3
59	11.4	8.9	13.3





#23

Vinyl Acetate

Concen: 280.527 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tot Ion: 43 Resp: 3447683

Ion Ratio Lower Upper

43 100

86 9.3 7.7 11.5

Instrument :

MSVOA_N

ClientSampleId :

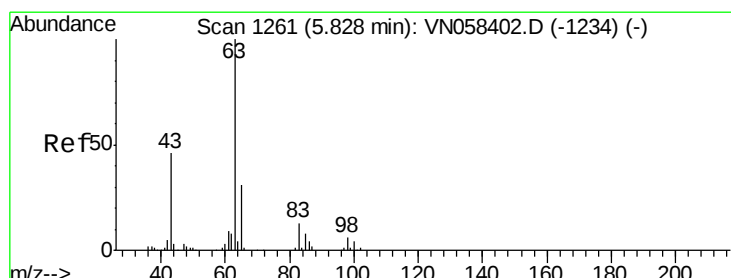
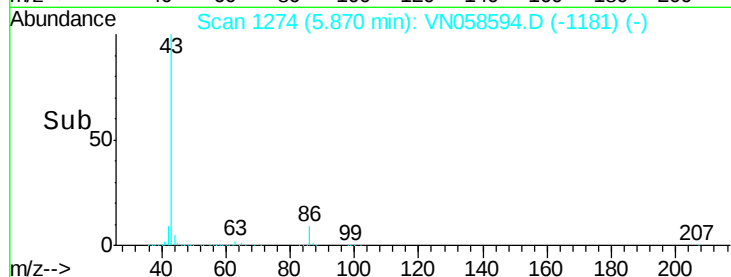
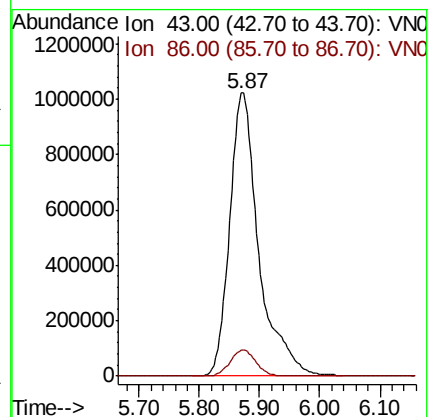
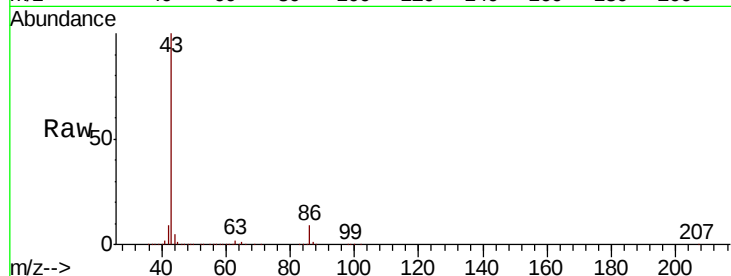
VSTDCCC050EC

Manual Integrations

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10/9/2019 10:51:03 AM



#24

1,1-Dichloroethane

Concen: 51.605 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

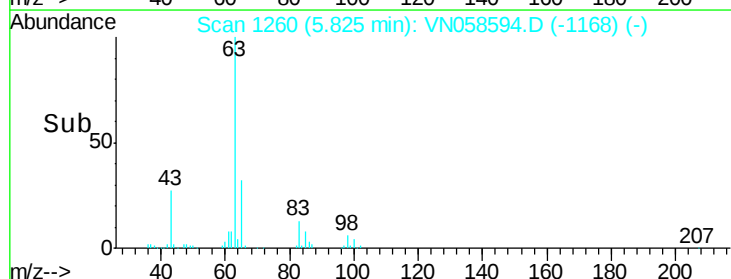
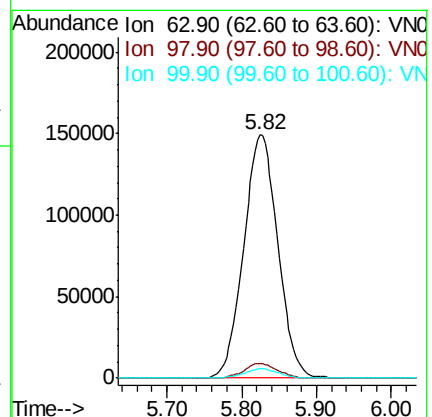
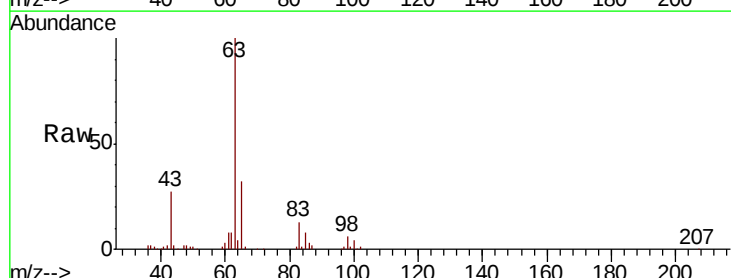
Tgt Ion: 63 Resp: 473385

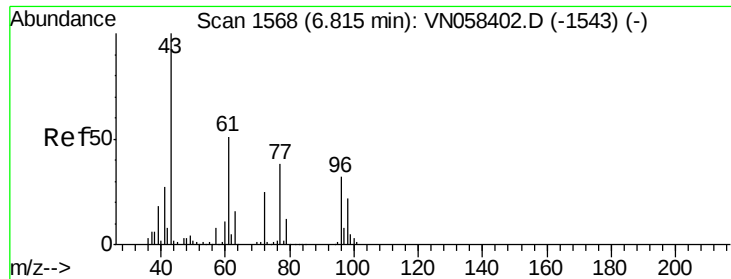
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 266.181 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 803241

Ion Ratio Lower Upper

43 100

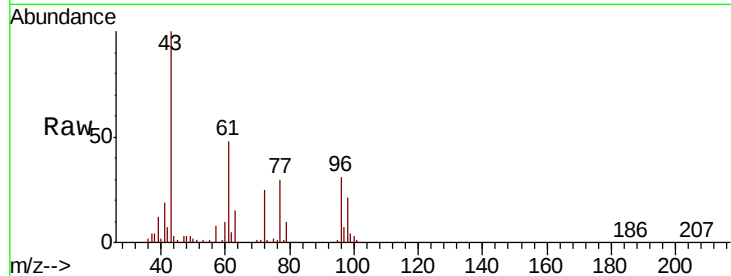
72 25.1 20.2 30.4

Manual Integrations

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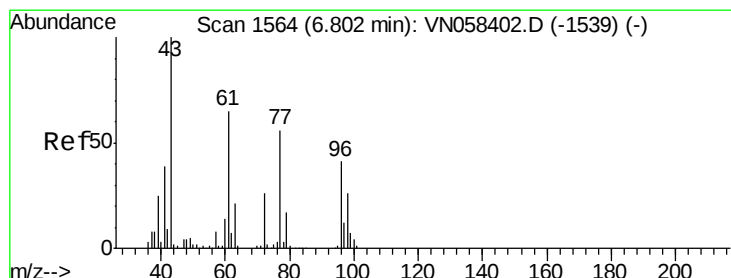
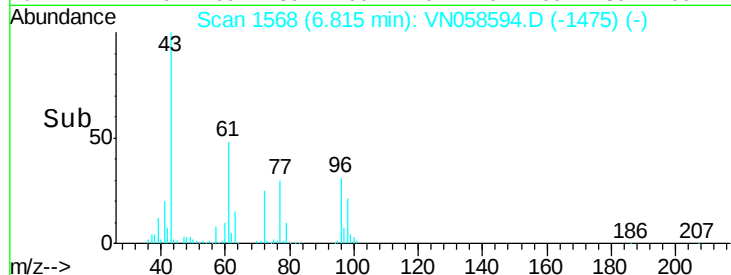
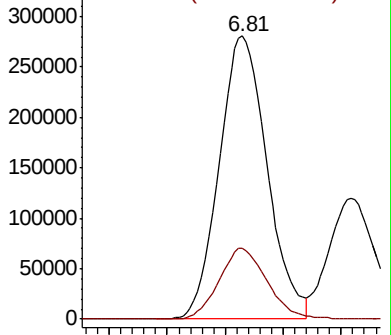
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 41.770 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058594.D

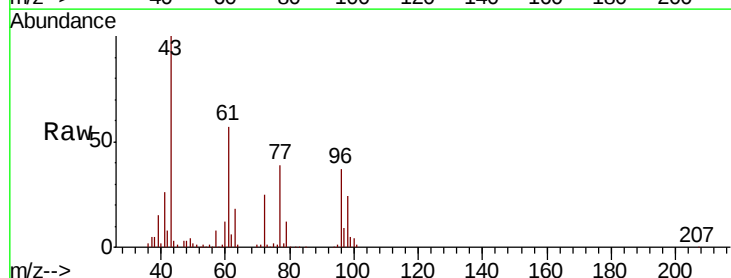
Acq: 8 Oct 2019 1:36

Tgt Ion: 77 Resp: 315011

Ion Ratio Lower Upper

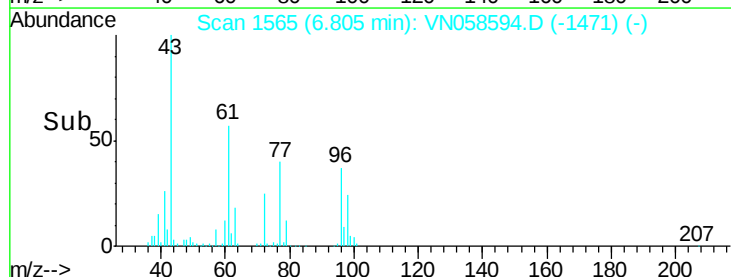
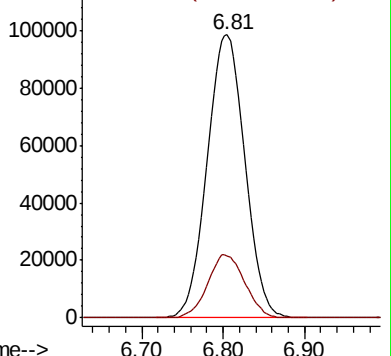
77 100

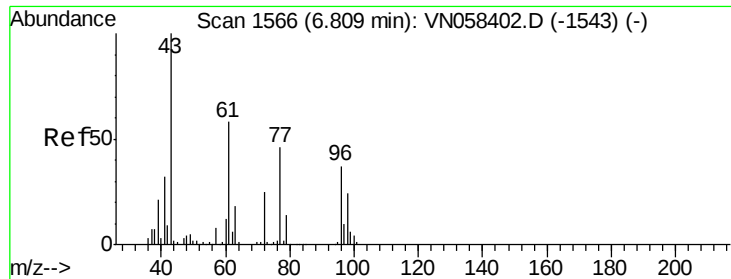
97 21.9 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.287 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

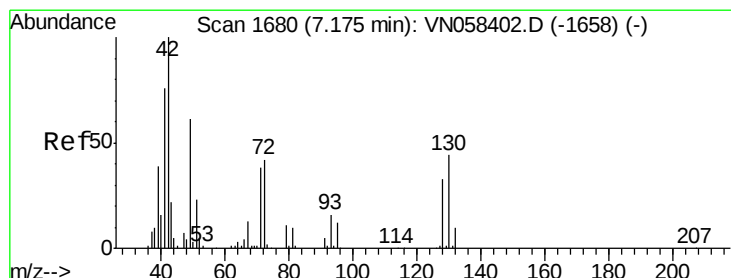
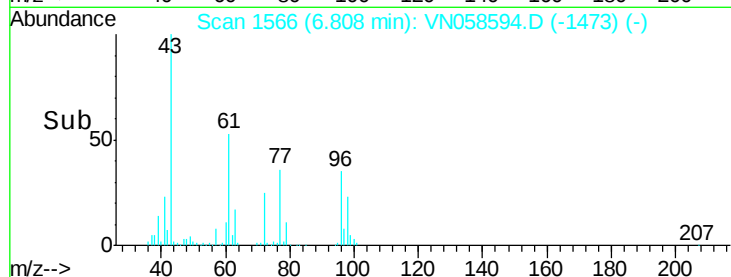
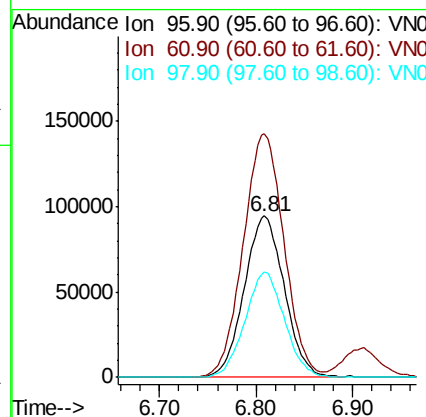
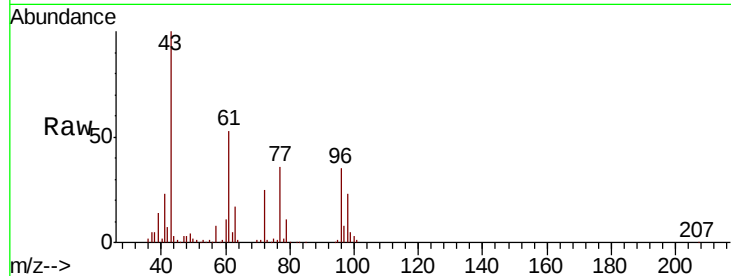
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	272027
Ion	Ratio	Lower	Upper
96	100		
61	153.9	0.0	318.8
98	64.4	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 50.644 ug/l

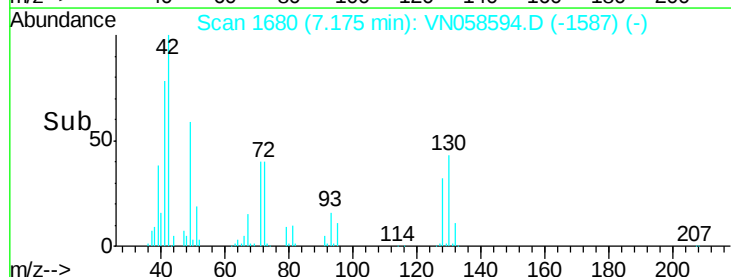
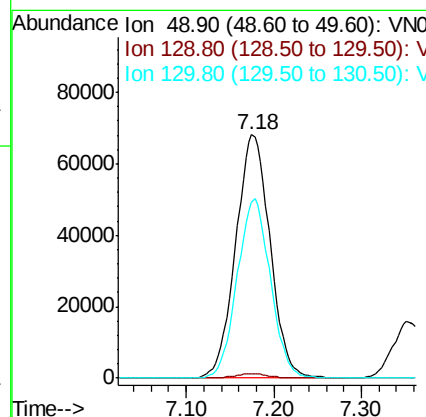
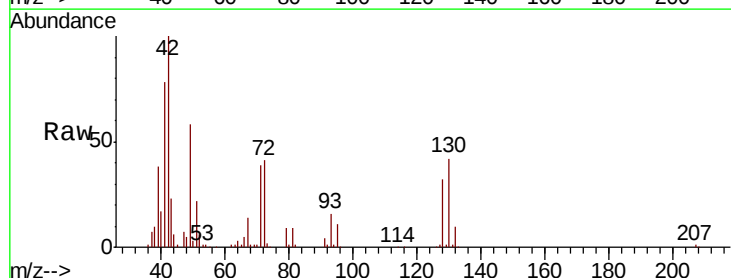
RT: 7.18 min Scan# 1680

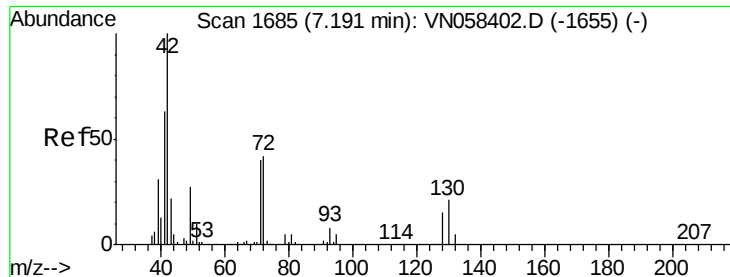
Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tgt Ion:	49	Resp:	185702
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	71.1	56.3	84.5





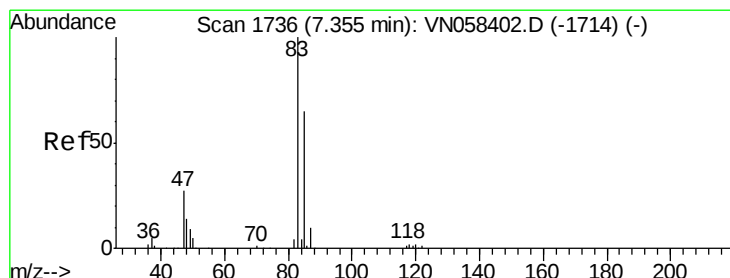
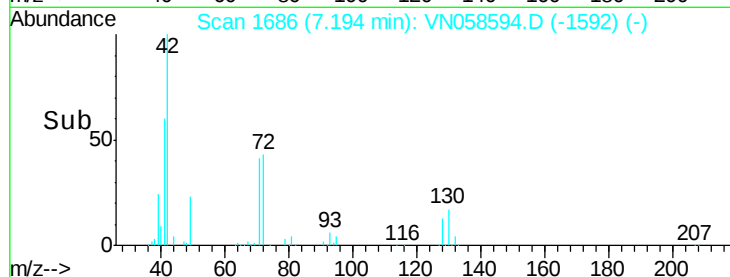
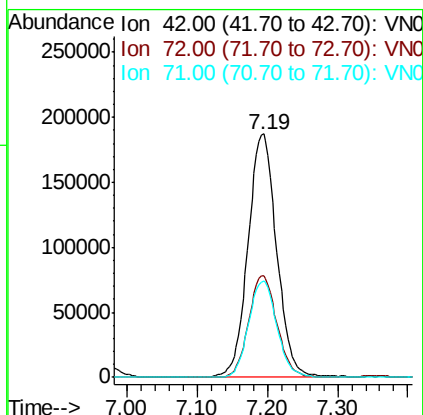
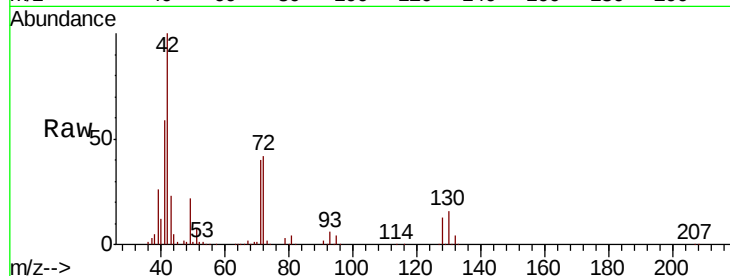
#29
Tetrahydrofuran
Concen: 275.848 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	39.2	31.8	47.6

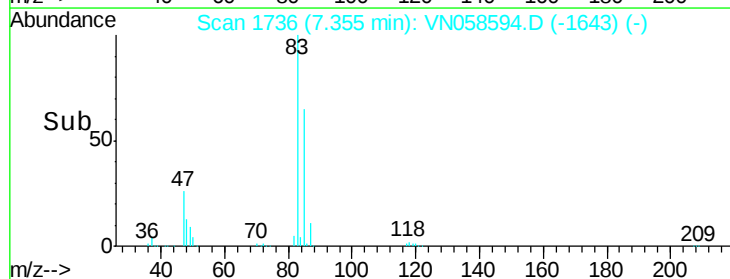
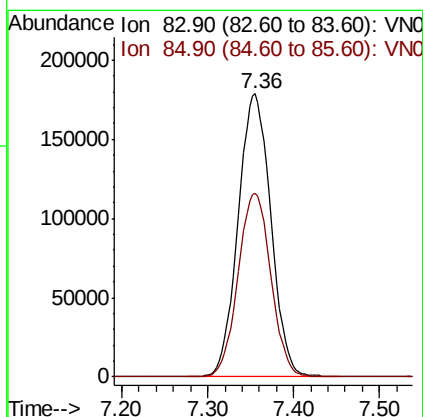
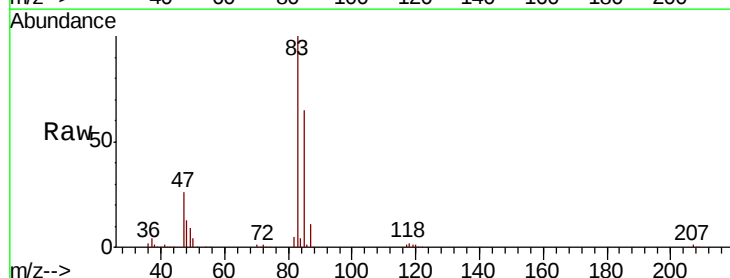
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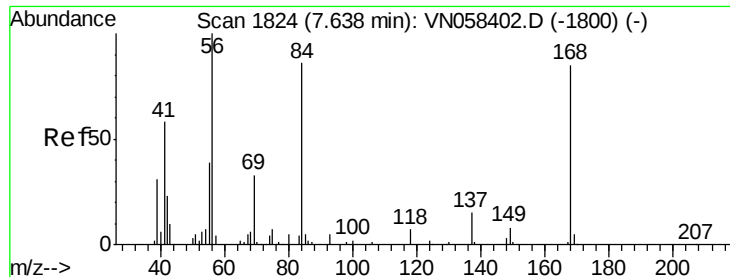
MMDadoda
10/9/2019 10:51:03 AM



#30
Chloroform
Concen: 51.002 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.0	78.0





#31

Cvclohexane

Concen: 44.826 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 399985

Ion Ratio Lower Upper

56 100

69 32.7 26.2 39.4

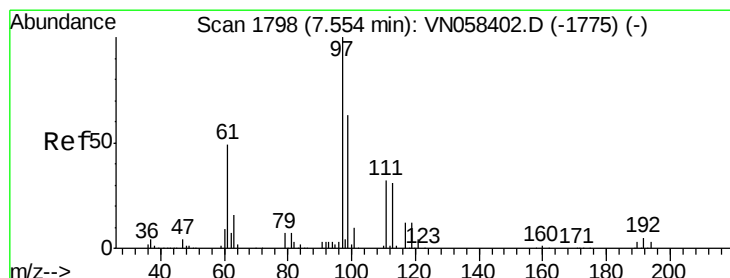
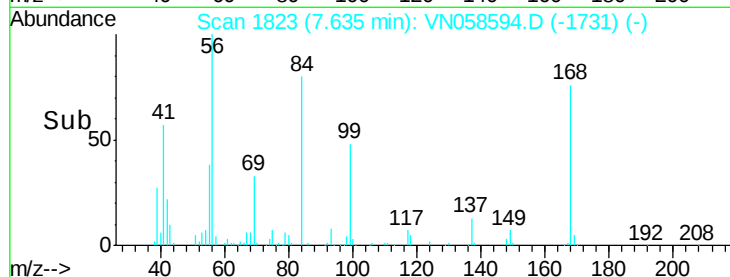
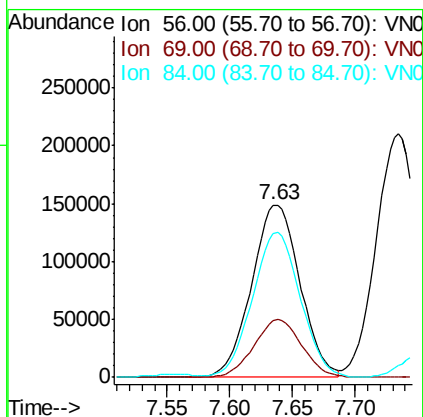
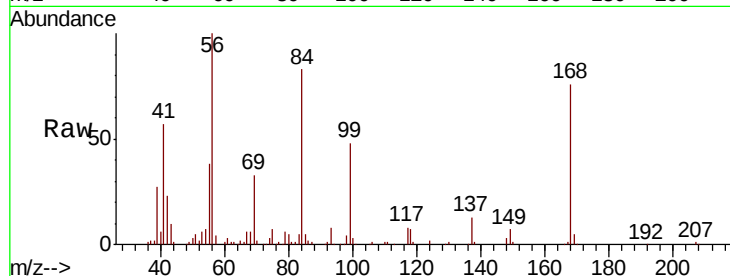
84 81.7 67.6 101.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 54.005 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

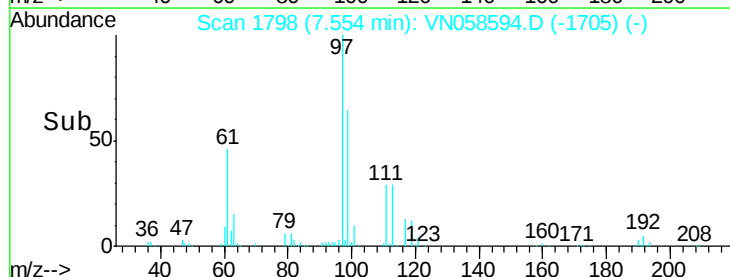
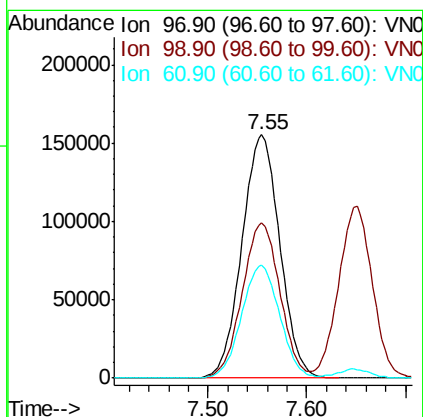
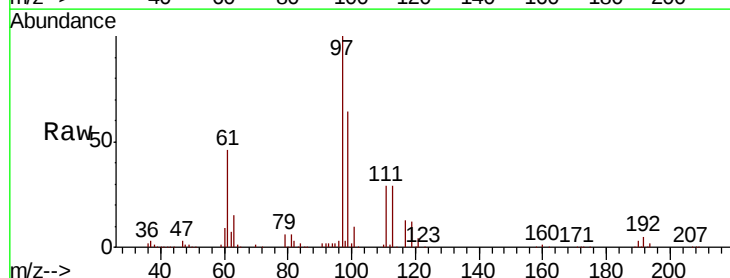
Tgt Ion: 97 Resp: 412241

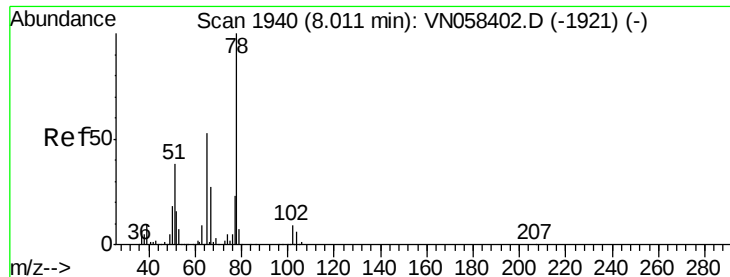
Ion Ratio Lower Upper

97 100

99 63.5 51.1 76.7

61 46.7 39.2 58.8





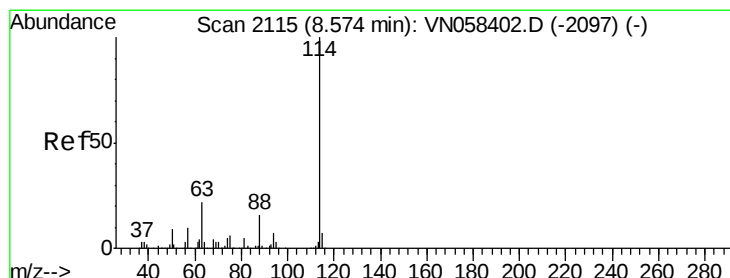
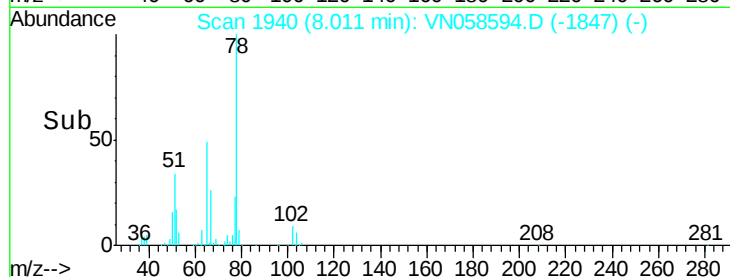
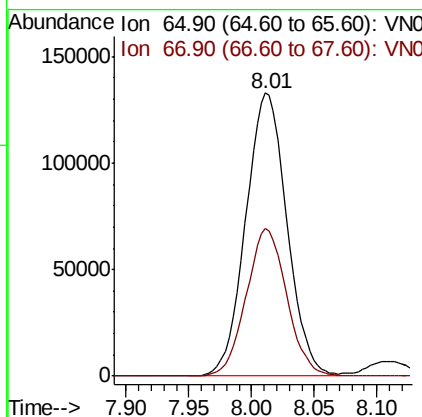
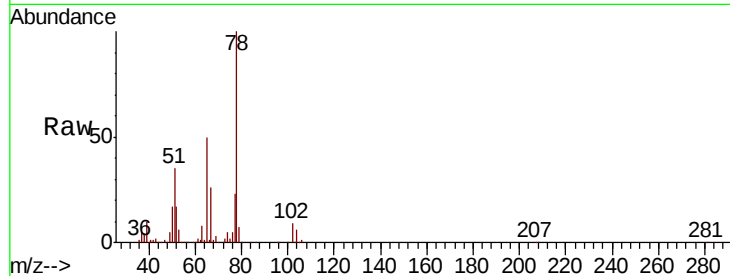
#33
 1,2-Dichloroethane-d4
 Concen: 47.135 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.4

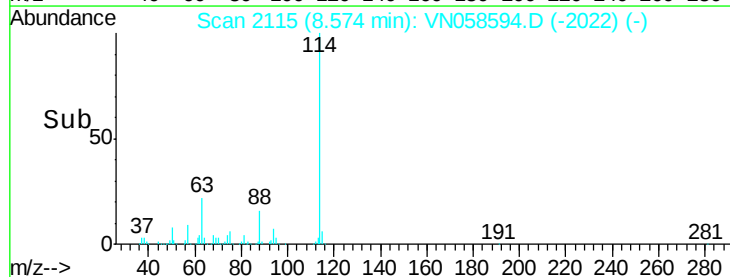
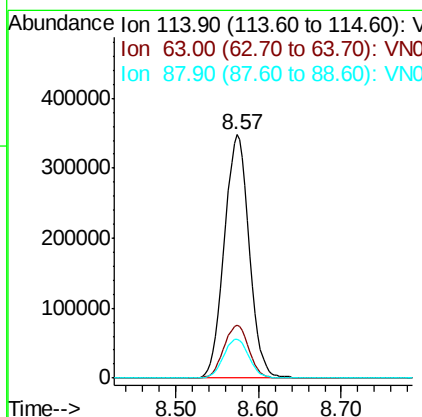
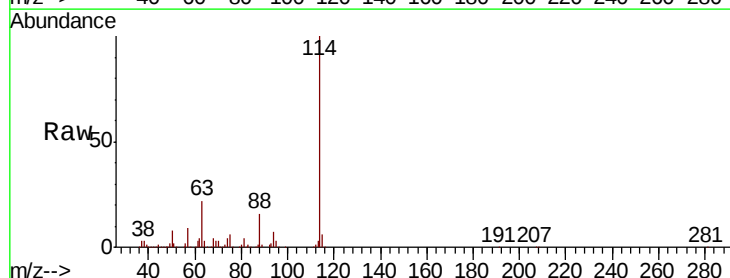
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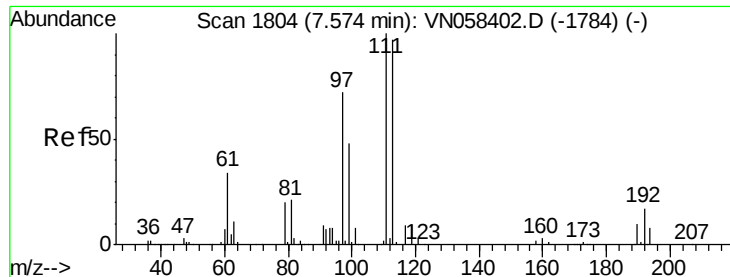
MMDadoda
 10/9/2019 10:51:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	45.0
88	16.1	0.0	32.2





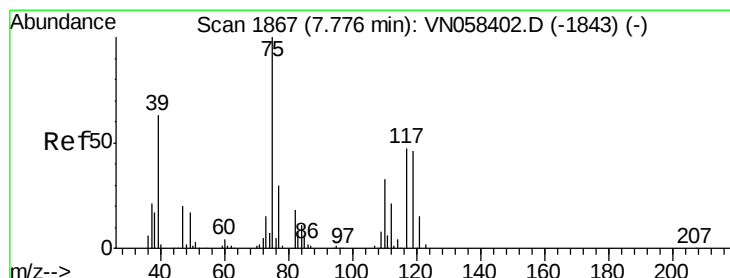
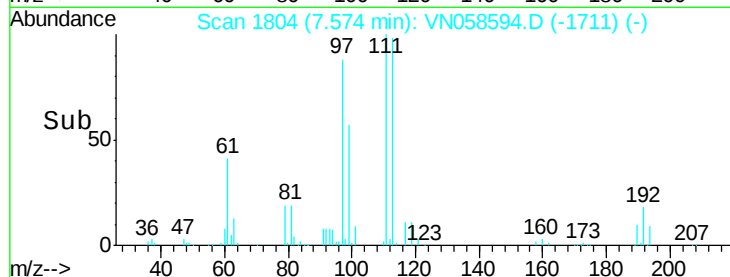
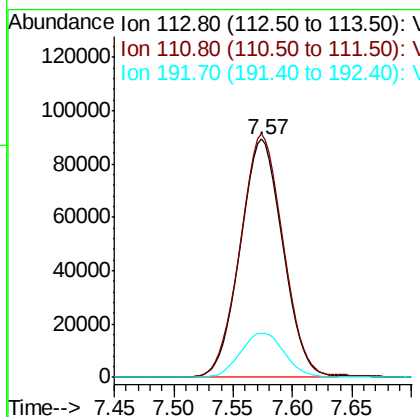
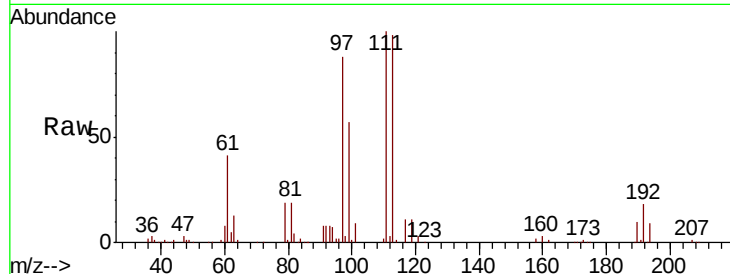
#35
 Dibromofluoromethane
 Concen: 49.885 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221988		
111	103.6	83.4	125.2	
192	19.2	14.9	22.3	

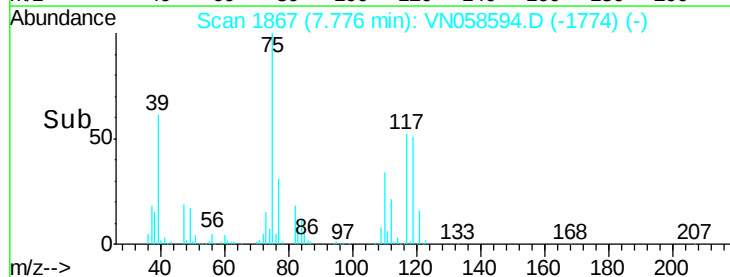
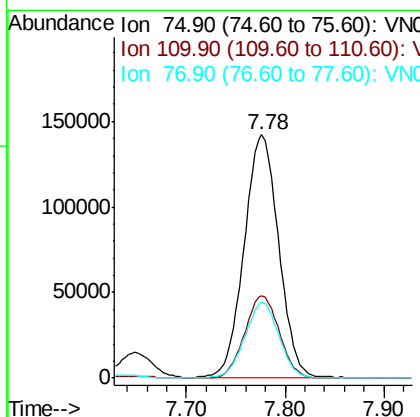
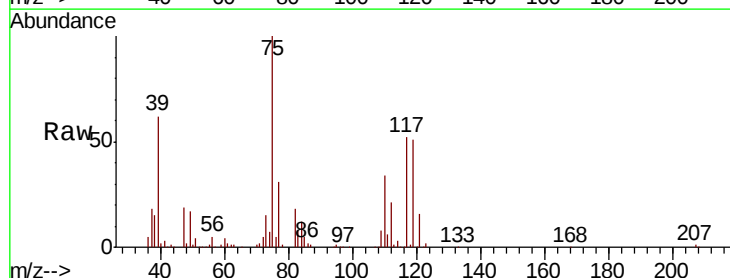
Manual Integrations
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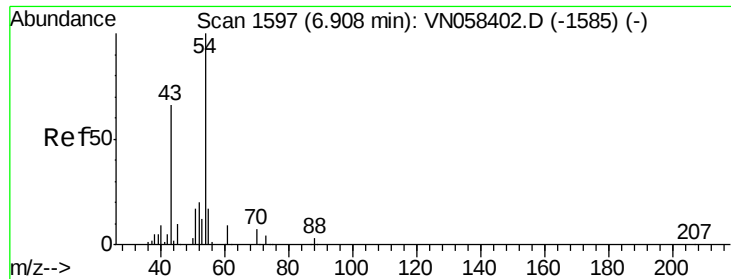
MMDadoda
 10/9/2019 10:51:03 AM



#36
 1,1-Dichloropropene
 Concen: 49.313 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	342360		
110	33.9	16.4	49.2	
77	31.2	24.3	36.5	





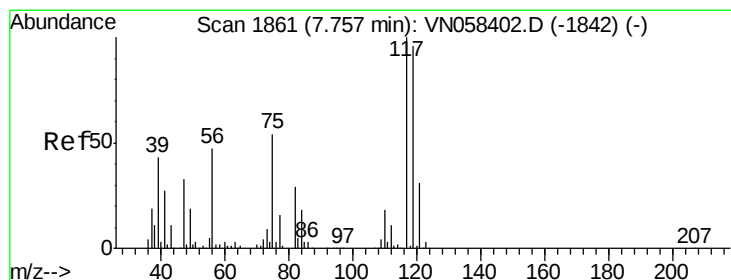
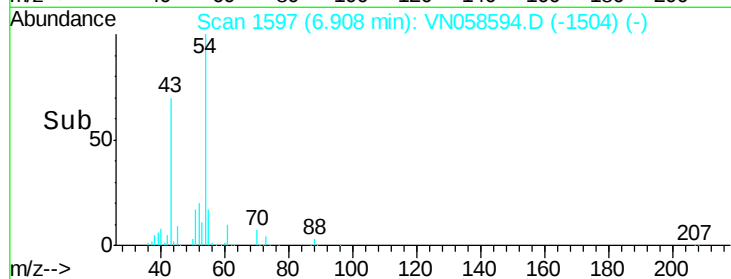
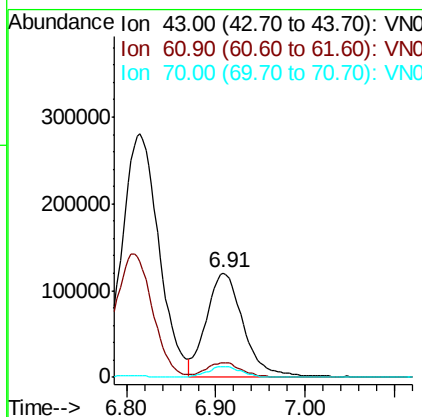
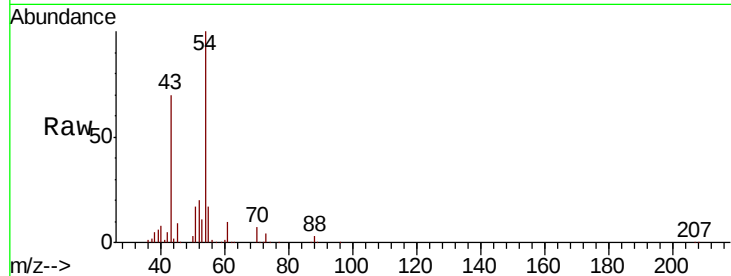
#37
Ethyl Acetate
Concen: 57.877 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.8	7.8	11.6

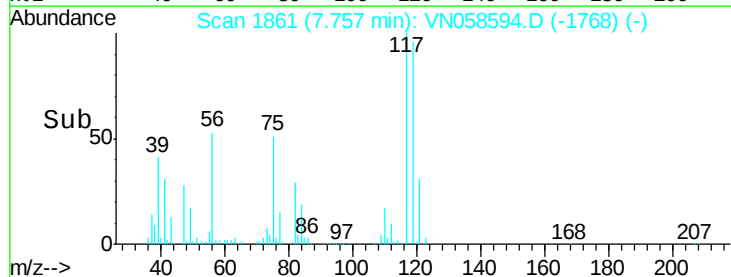
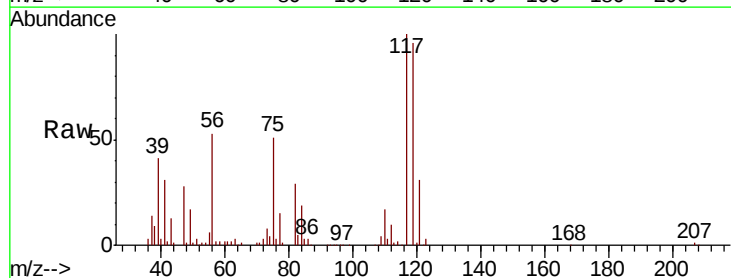
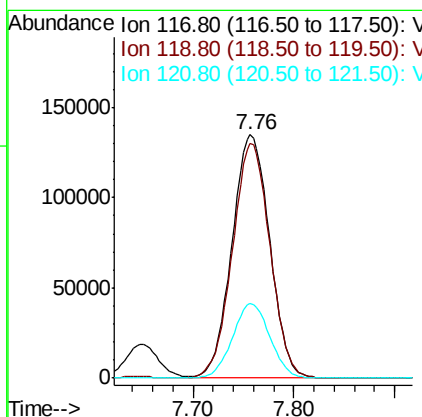
Manual Integrations
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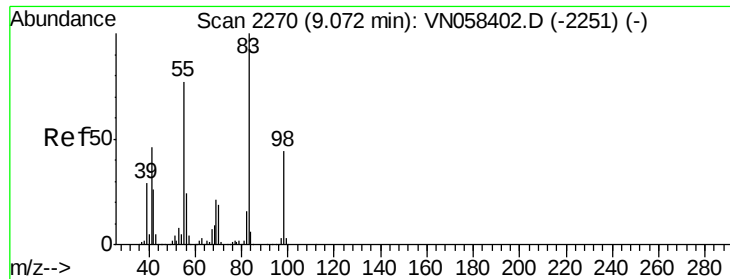
MMDadoda
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#38
Carbon Tetrachloride
Concen: 55.878 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.6	115.0
121	30.7	24.7	37.1





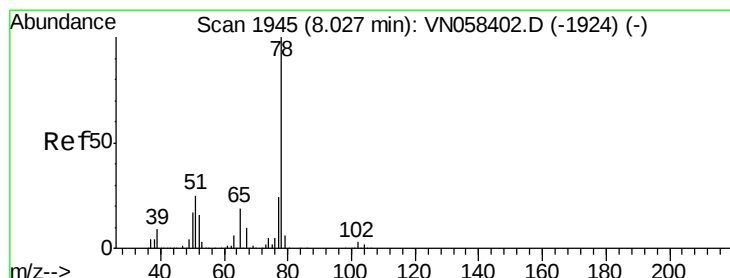
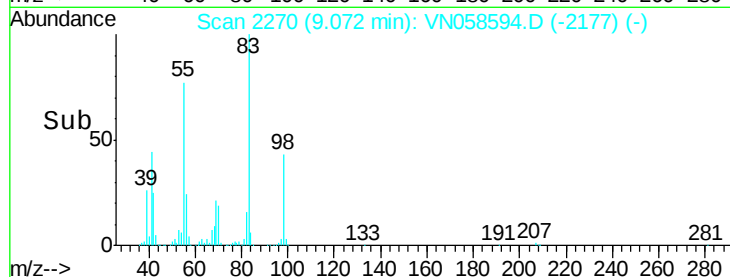
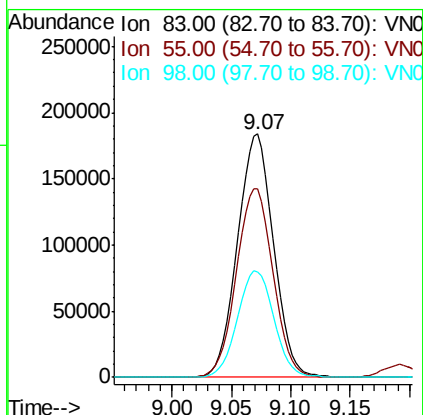
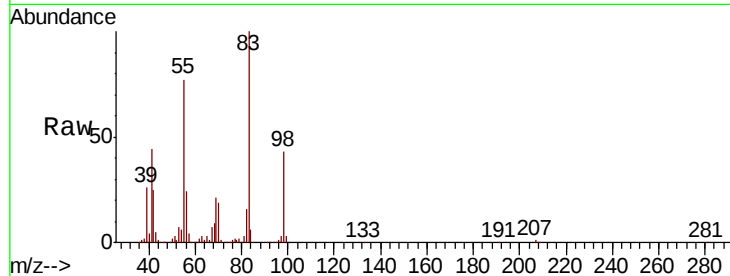
#39
Methvlcvclohexane
Concen: 47.705 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.8	92.6
98	43.4	35.4	53.0

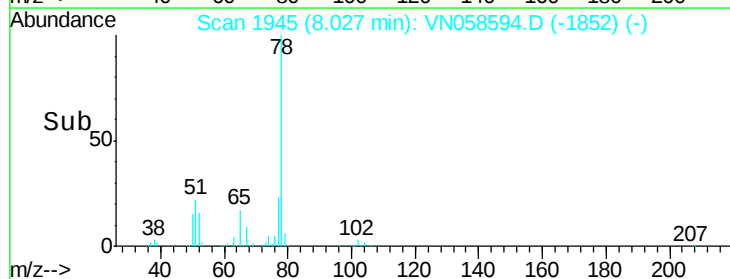
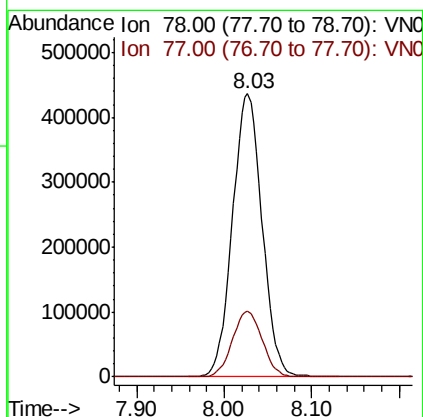
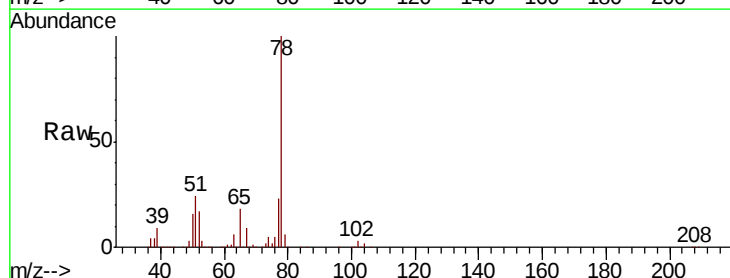
Manual Integrations
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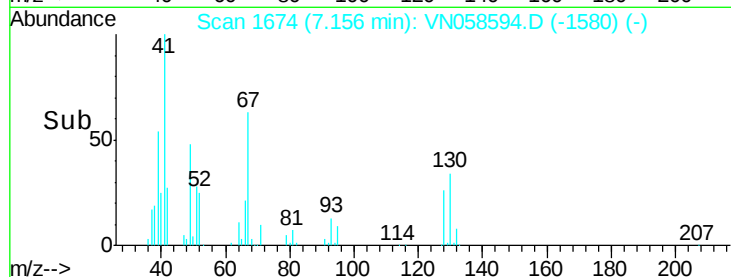
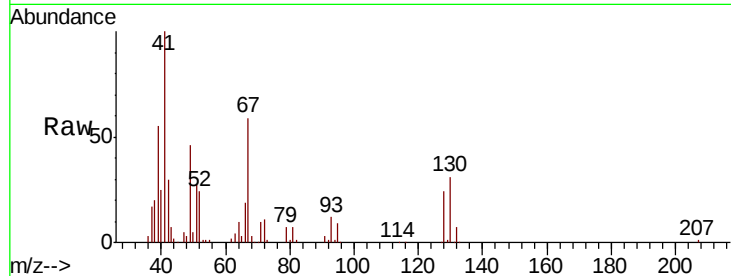
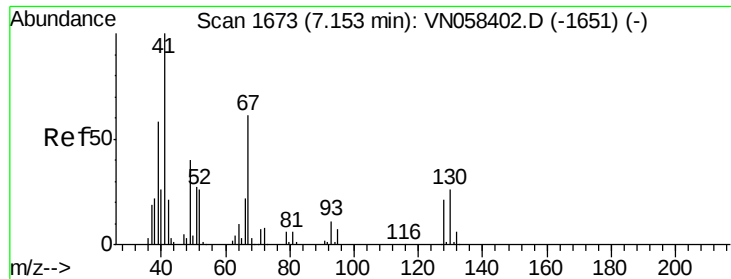
MMDadoda
10/9/2019 10:51:03 AM



#40
Benzene
Concen: 51.353 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





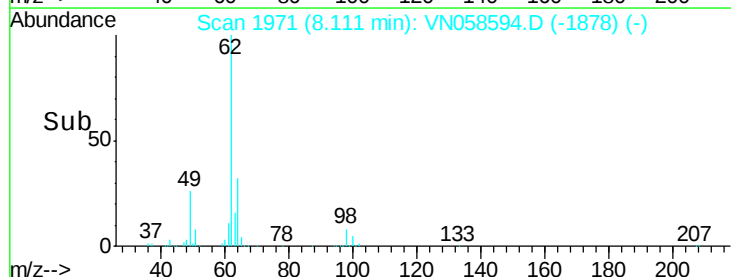
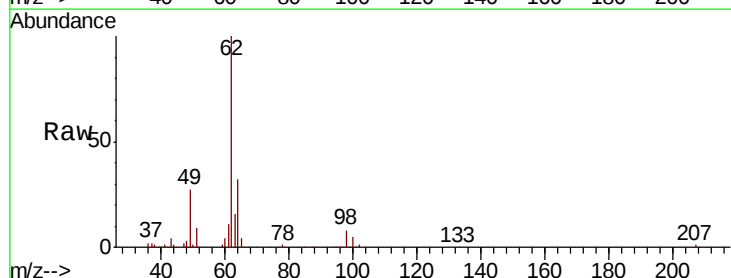
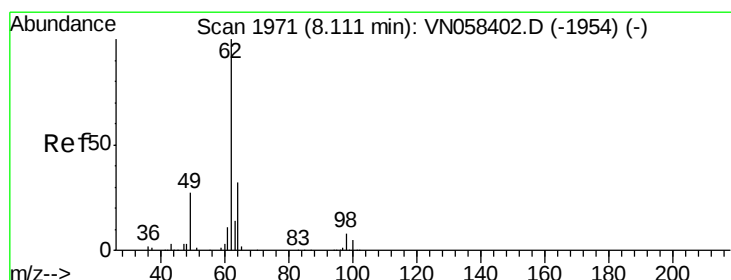
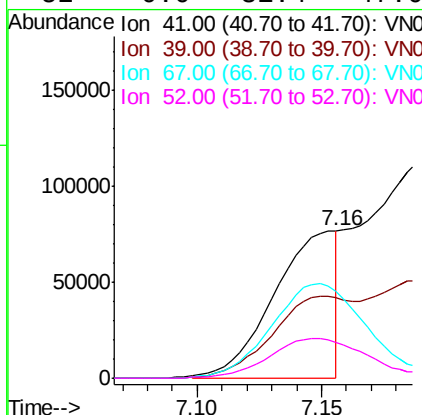
#41
Methacrylonitrile
Concen: 49.753 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

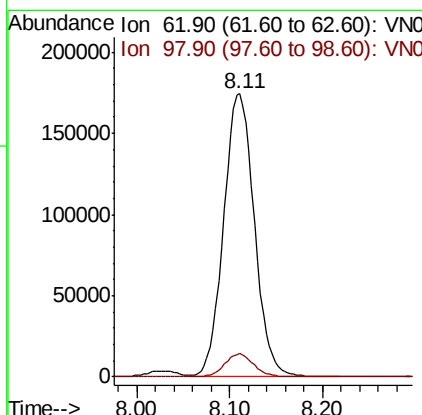
Manual Integrations
APPROVED

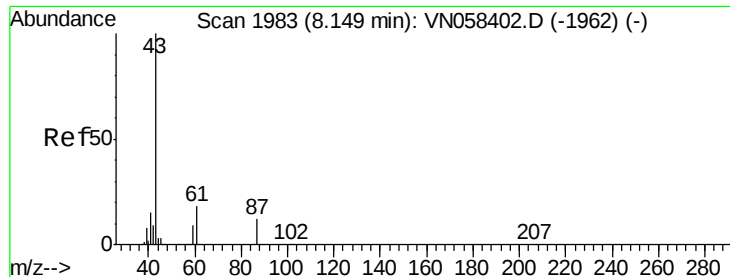
MMDadoda
10/9/2019 10:51:03 AM



#42
1,2-Dichloroethane
Concen: 51.464 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6





#43

Isopropyl Acetate

Concen: 53.302 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

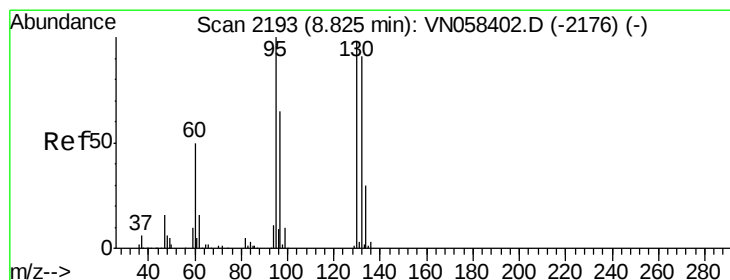
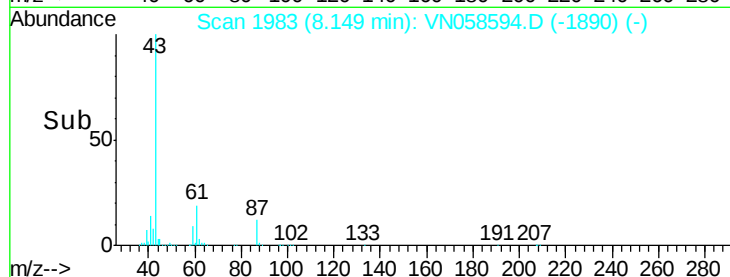
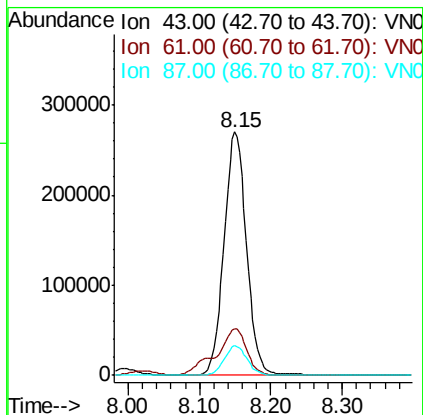
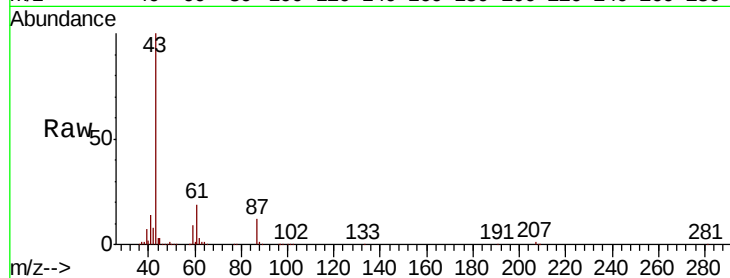
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	589982
Ion	Ratio	Lower	Upper
43	100		
61	26.1	14.8	22.2#
87	12.3	9.7	14.5

Manual Integrations
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#44

Trichloroethene

Concen: 52.337 ug/l

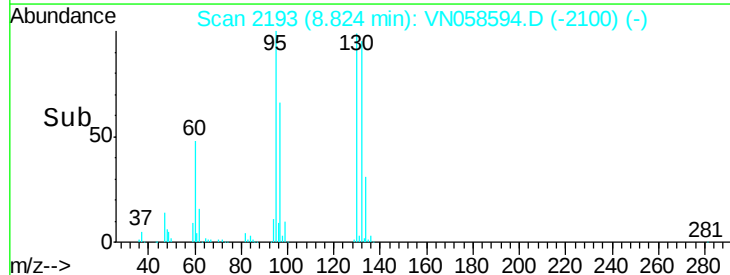
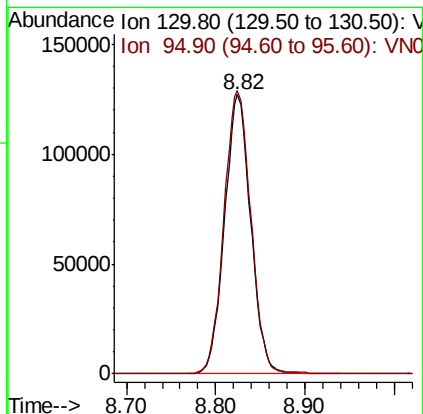
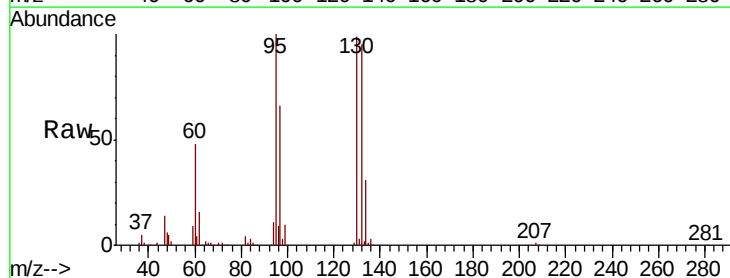
RT: 8.82 min Scan# 2193

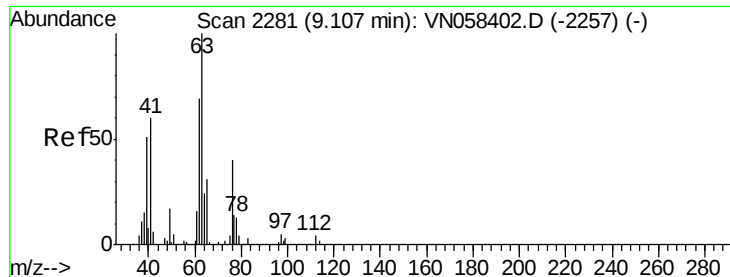
Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tgt Ion:	130	Resp:	257895
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	204.2





#45

1,2-Dichloropropane

Concen: 53.131 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 284364

Ion Ratio Lower Upper

63 100

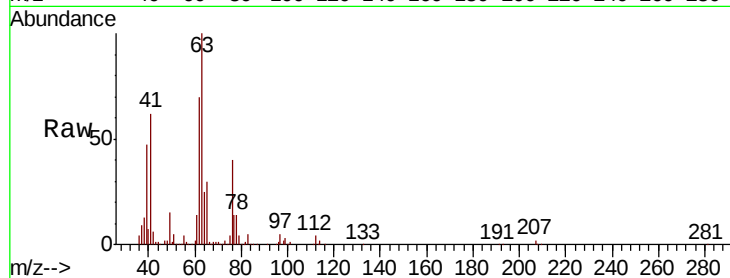
65 29.9 25.0 37.4

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.11

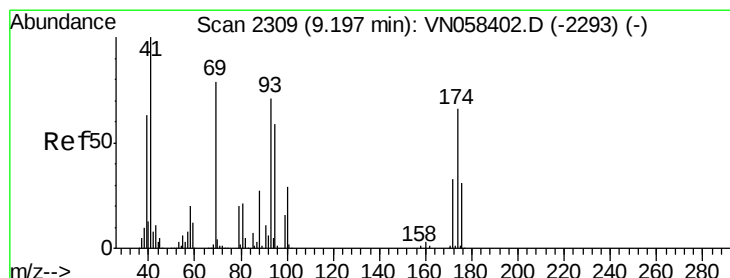
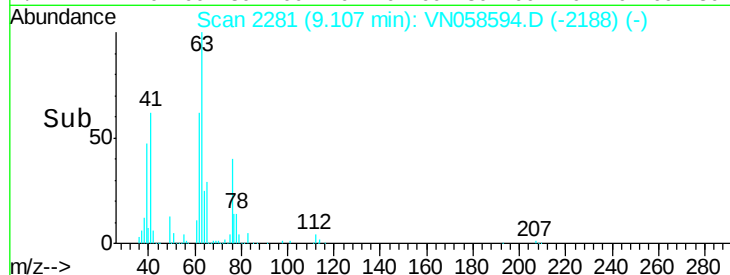
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.256 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

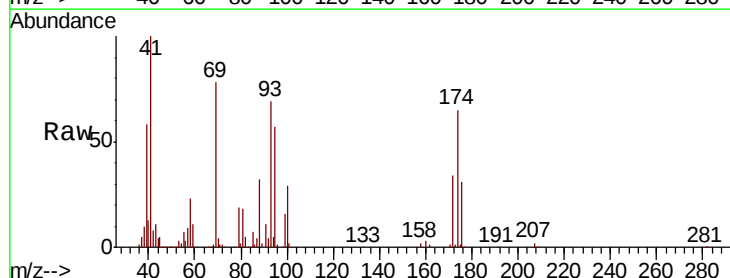
Tgt Ion: 93 Resp: 177117

Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.4

174 94.2 74.2 111.2



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

9.20

120000

100000

80000

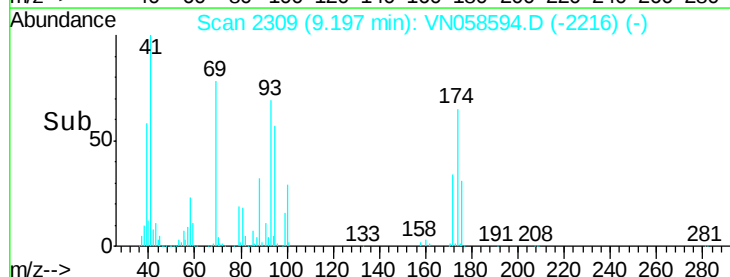
60000

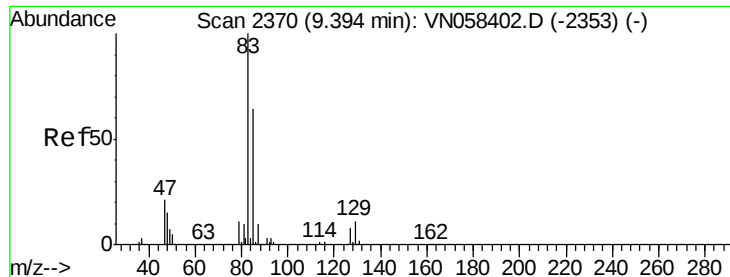
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 58.125 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

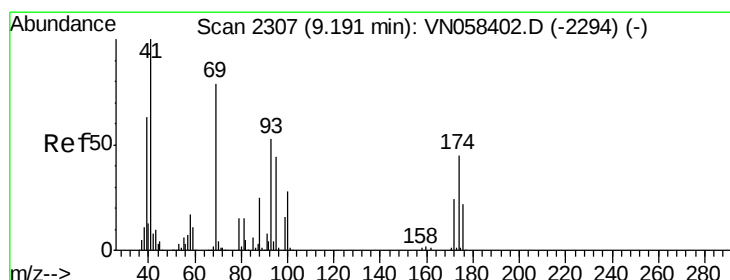
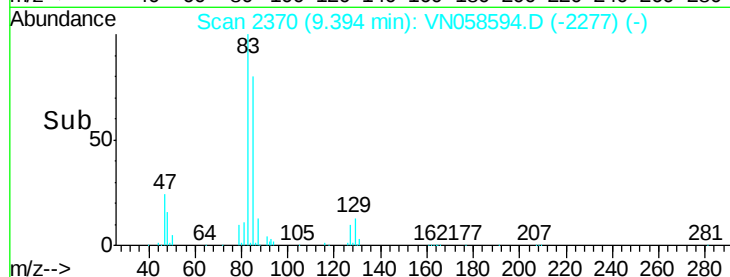
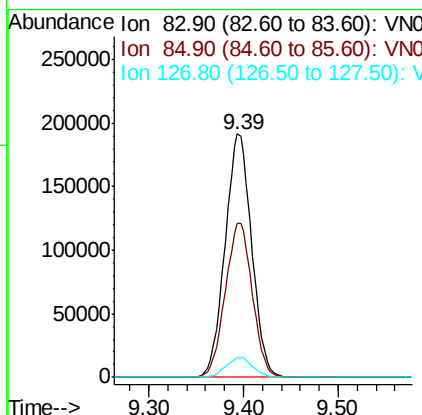
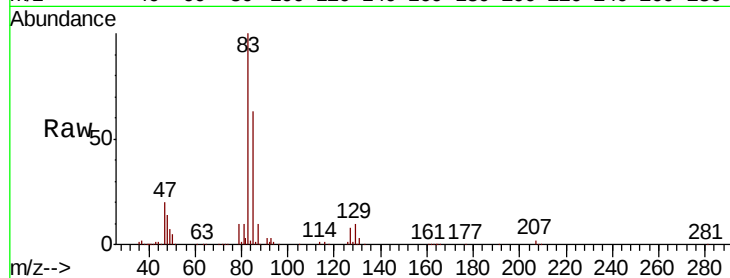
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	373270
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.2	76.8
127	8.1	6.3	9.5

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 55.324 ug/l

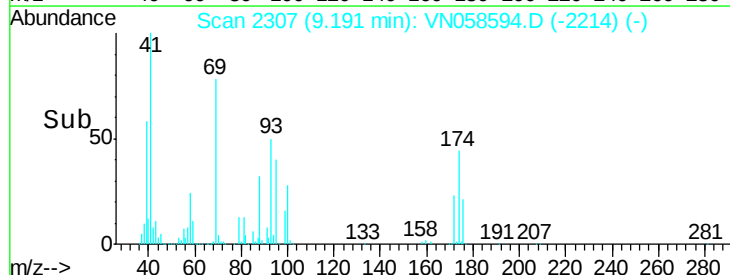
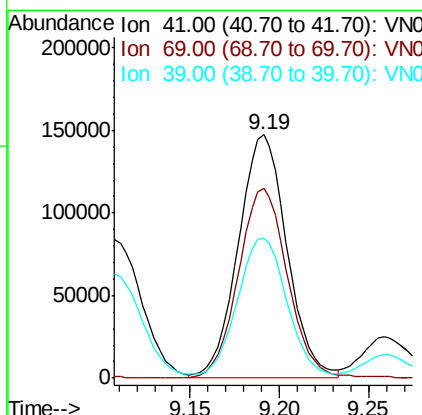
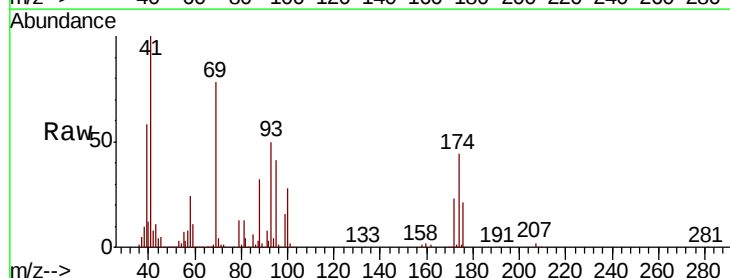
RT: 9.19 min Scan# 2307

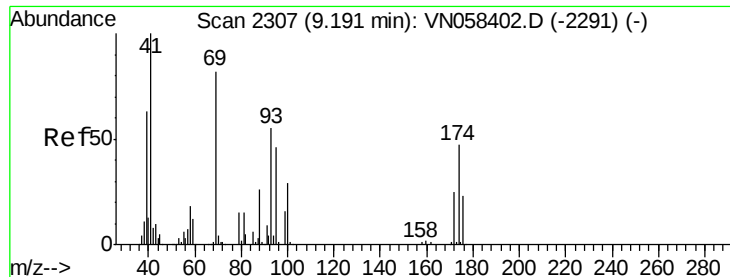
Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tgt Ion:	41	Resp:	278835
Ion Ratio	Lower	Upper	
41	100		
69	79.6	64.7	97.1
39	59.1	52.9	79.3





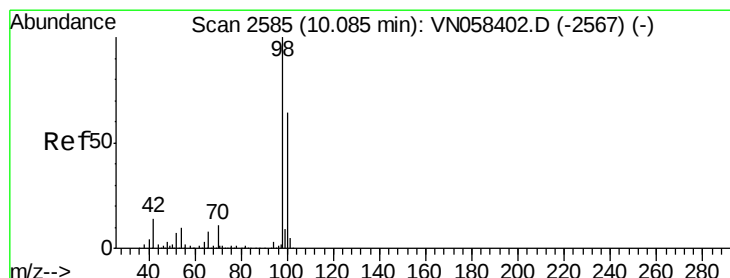
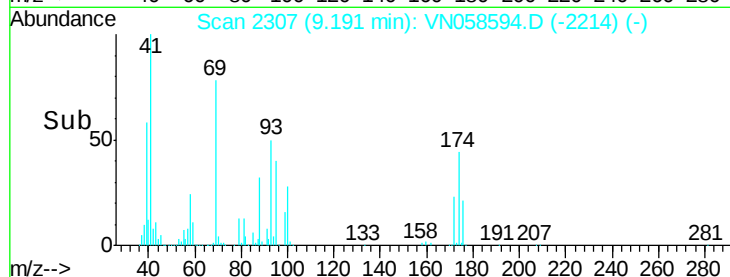
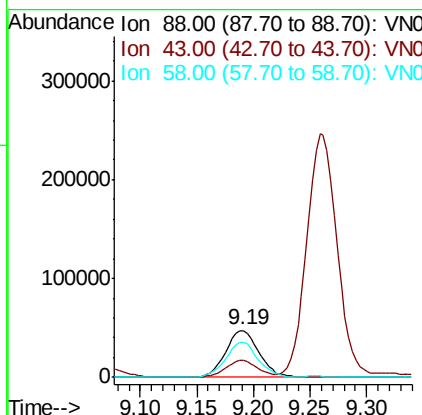
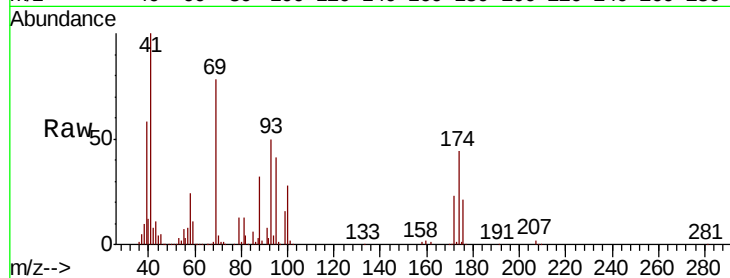
#49
1,4-Dioxane
Concen: 1448.282 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	31.1	46.7
58	73.5	58.1	87.1

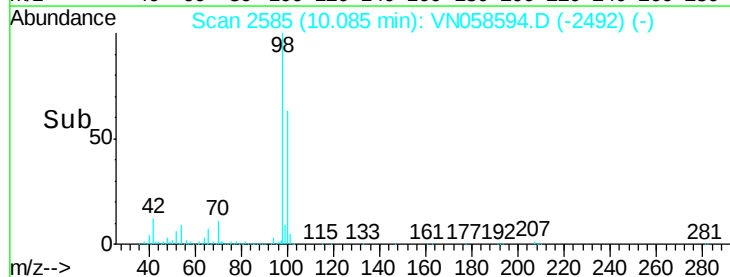
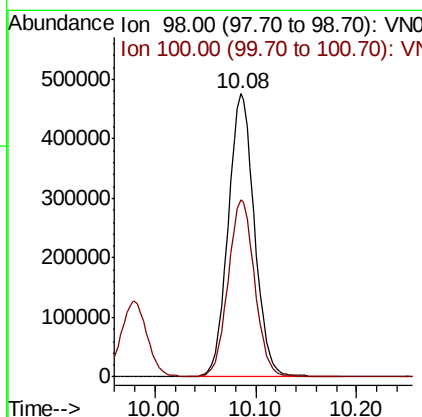
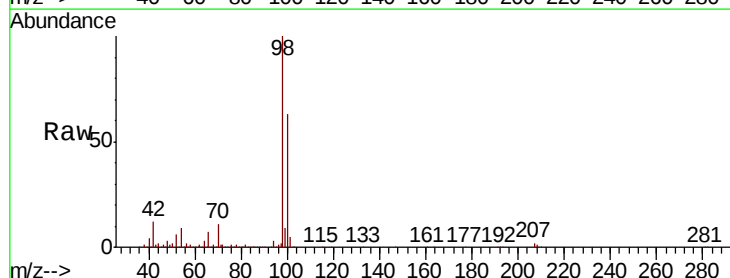
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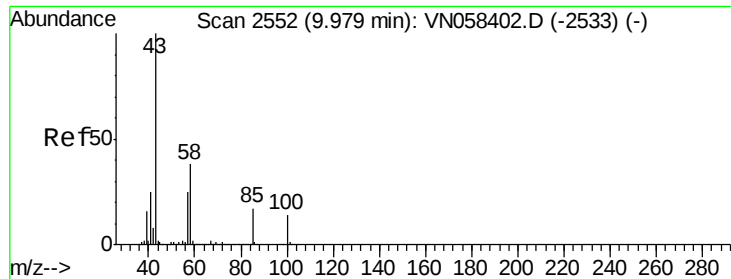
MMDadoda
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#50
Toluene-d8
Concen: 49.548 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.0	76.6





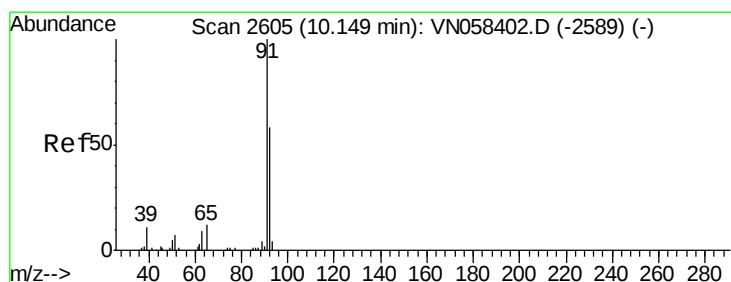
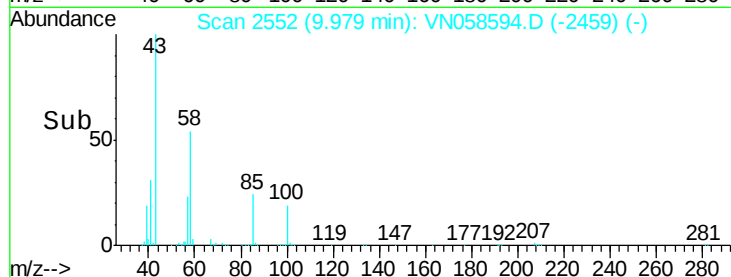
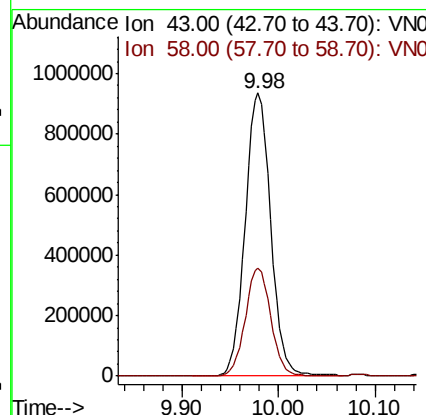
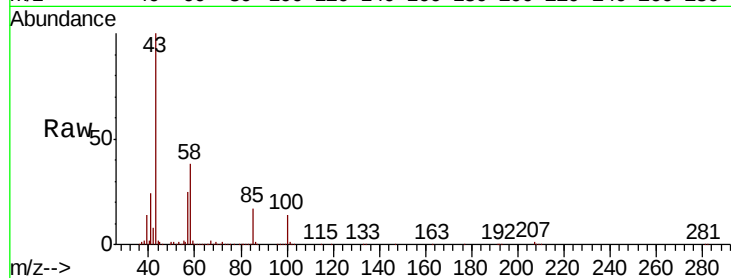
#51
4-Methyl-2-Pentanone
Concen: 301.911 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1716535
Ion Ratio Lower Upper
43 100
58 38.2 30.2 45.2

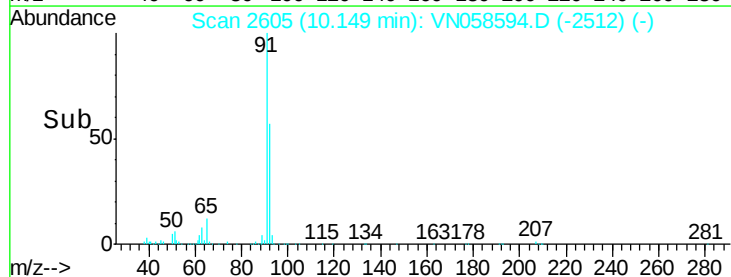
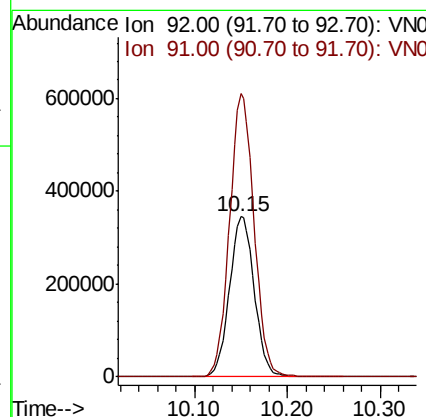
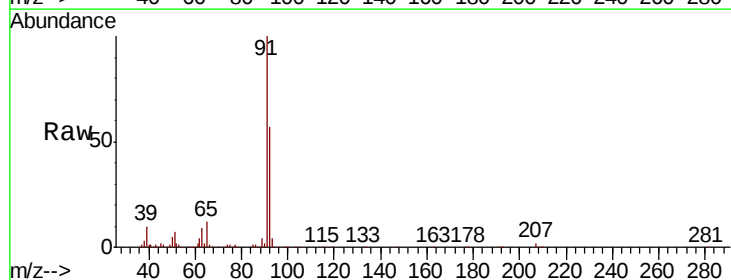
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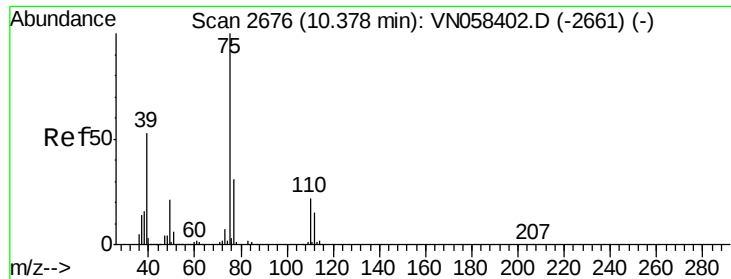
MMDadoda
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#52
Toluene
Concen: 50.998 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion: 92 Resp: 640580
Ion Ratio Lower Upper
92 100
91 174.7 140.2 210.4





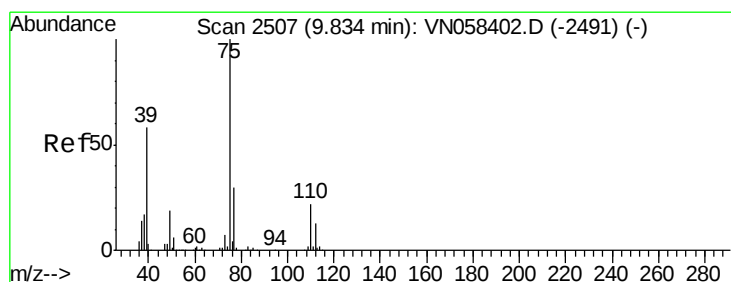
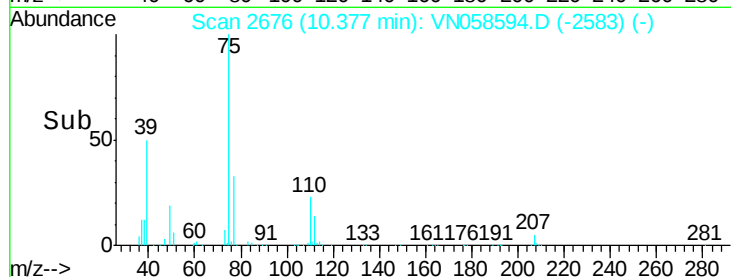
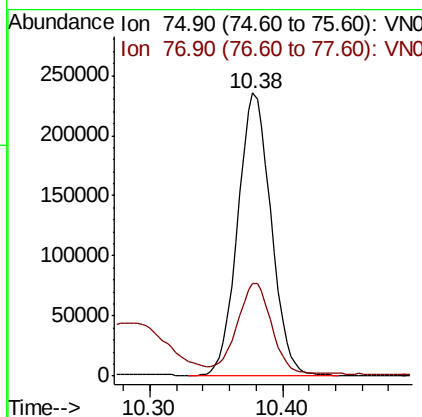
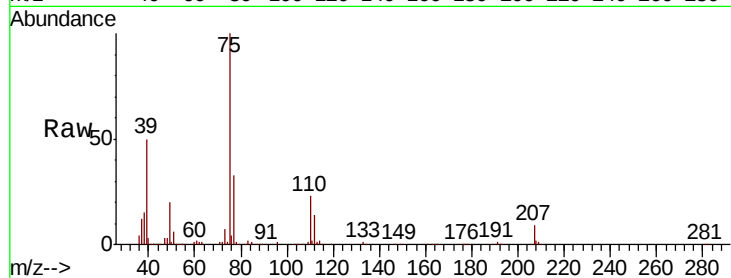
#53
t-1,3-Dichloropropene
Concen: 58.421 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 408348
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8

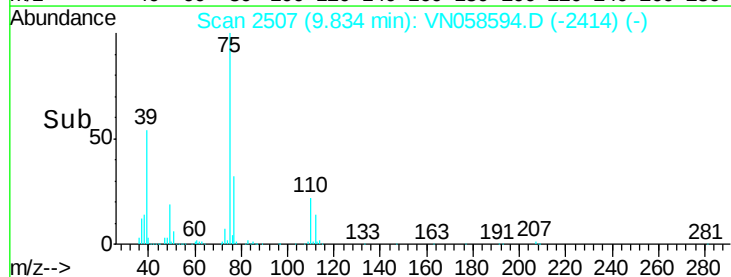
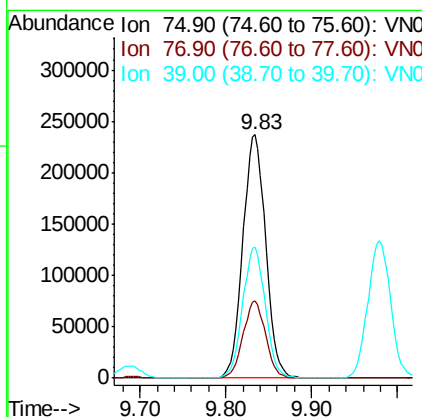
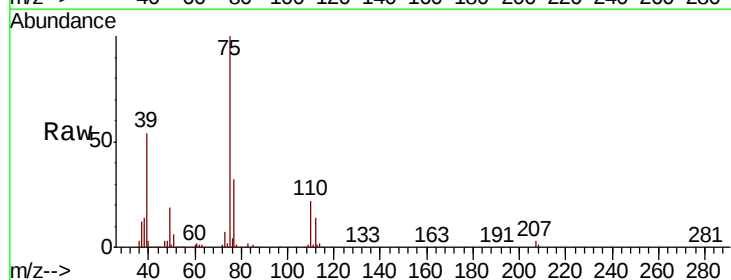
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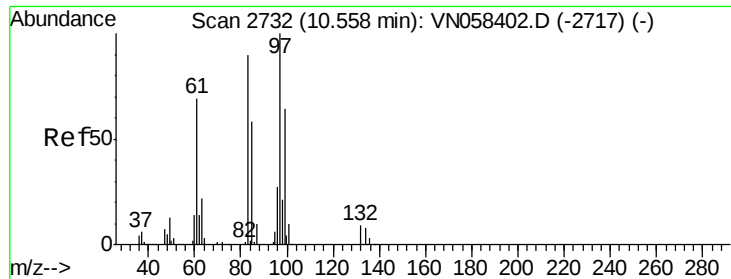
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 56.409 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion: 75 Resp: 437675
Ion Ratio Lower Upper
75 100
77 31.8 24.2 36.4
39 53.9 46.4 69.6





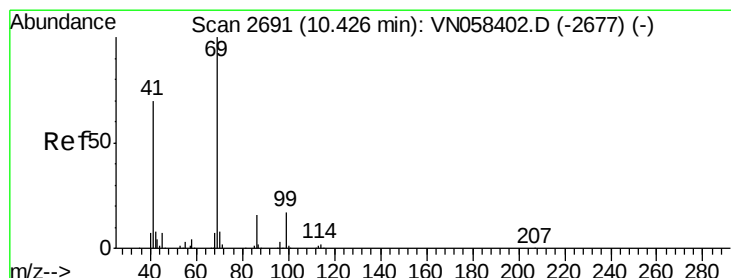
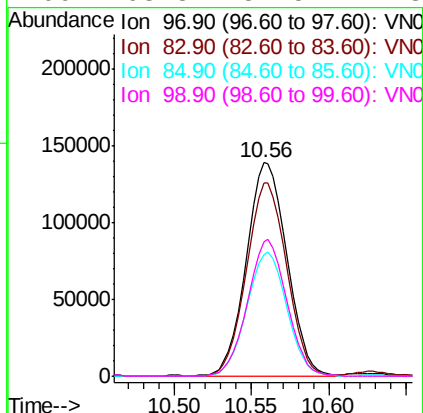
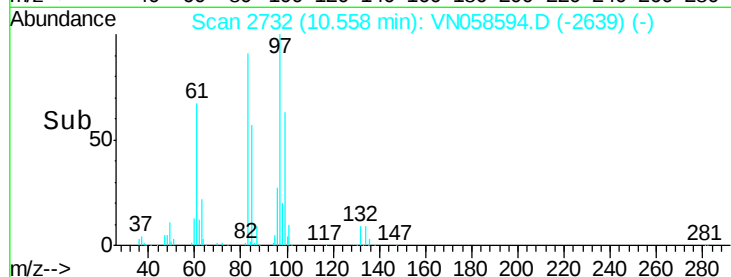
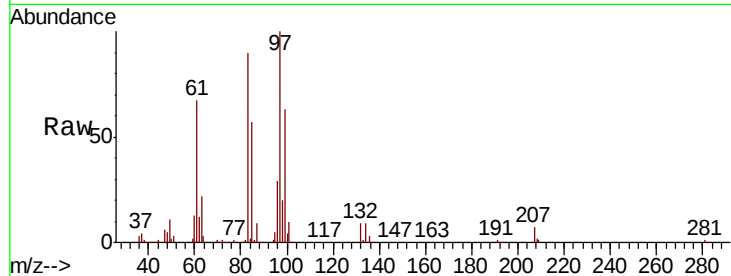
#55
 1,1,2-Trichloroethane
 Concen: 55.414 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	253445
Ion	Ratio	Lower	Upper
97	100		
83	90.6	71.8	107.6
85	57.3	46.6	69.8
99	63.3	51.5	77.3

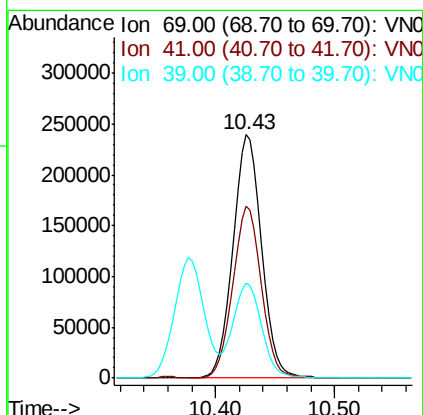
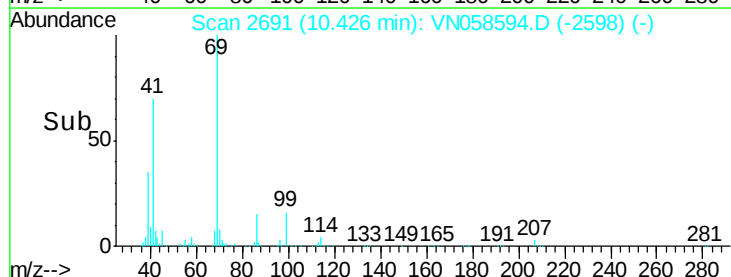
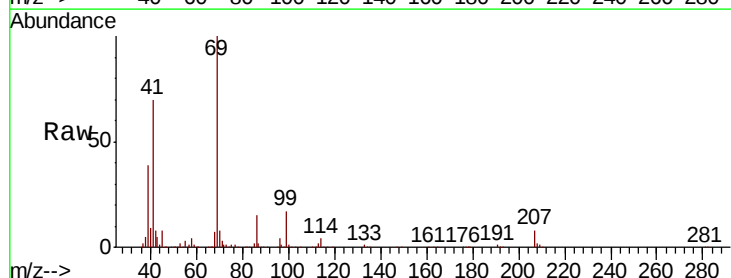
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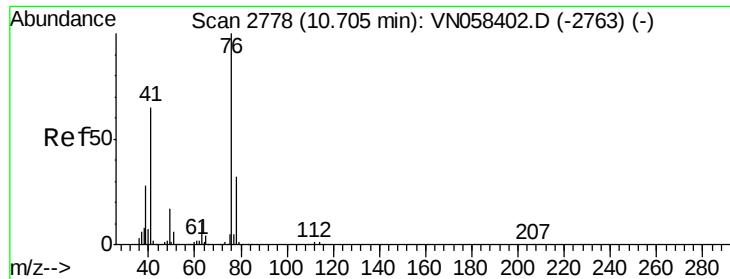
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 10/9/2019 10:51:03 AM



#56
 Ethyl methacrylate
 Concen: 57.597 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

Tgt Ion:	69	Resp:	399731
Ion	Ratio	Lower	Upper
69	100		
41	69.5	56.3	84.5
39	39.4	35.8	53.6





#57

1,3-Dichloropropane

Concen: 55.131 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 449766

Ion Ratio Lower Upper

76 100

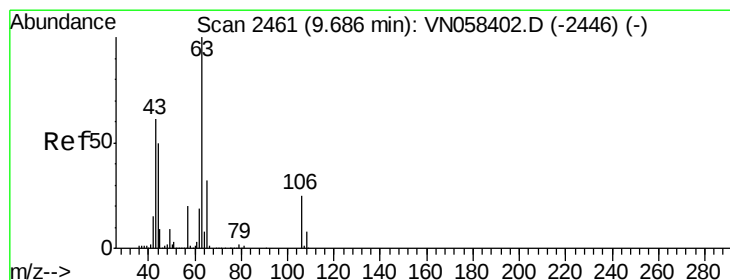
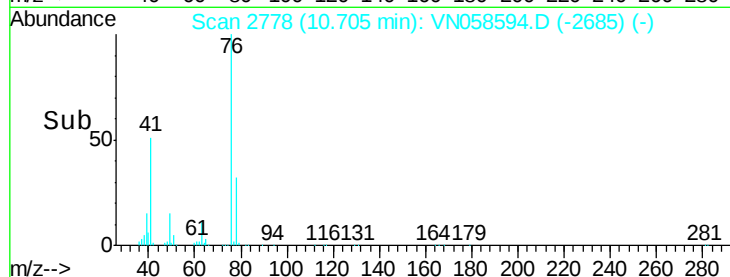
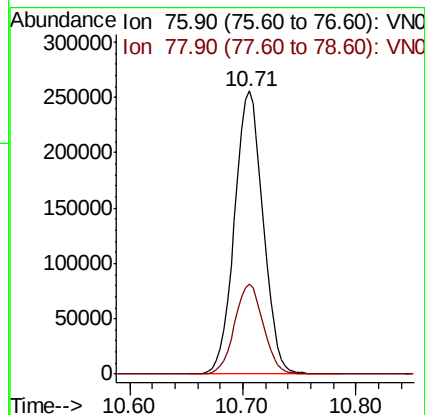
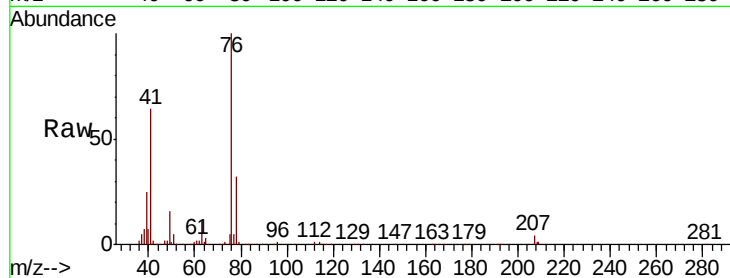
78 32.1 25.7 38.5

Manual Integrations

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10/9/2019 10:51:03 AM



#58

2-Chloroethyl Vinyl ether

Concen: 354.064 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058594.D

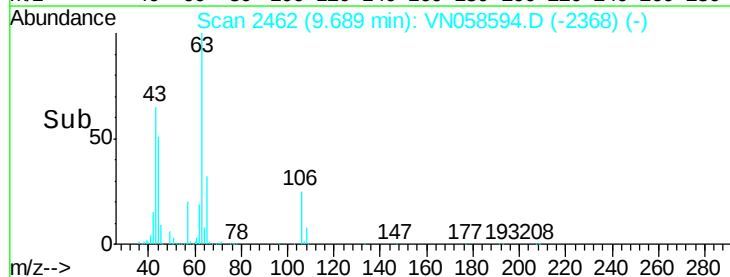
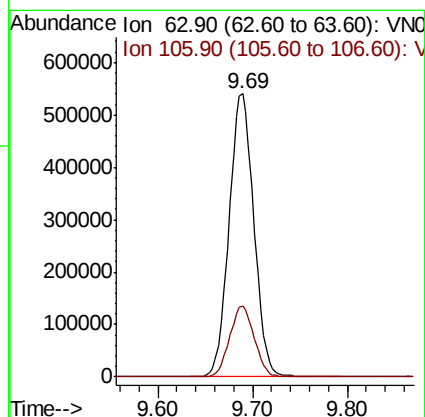
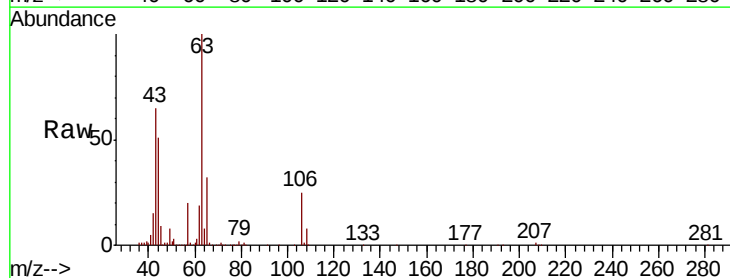
Acq: 8 Oct 2019 1:36

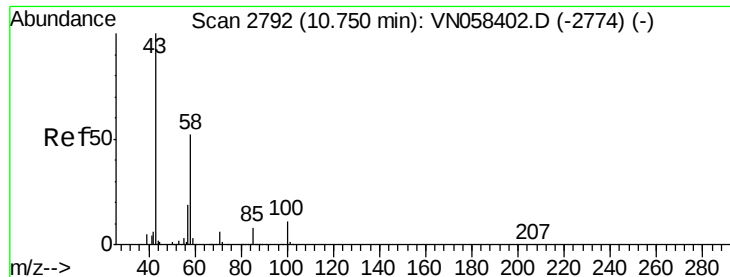
Tgt Ion: 63 Resp: 979818

Ion Ratio Lower Upper

63 100

106 24.9 20.3 30.5





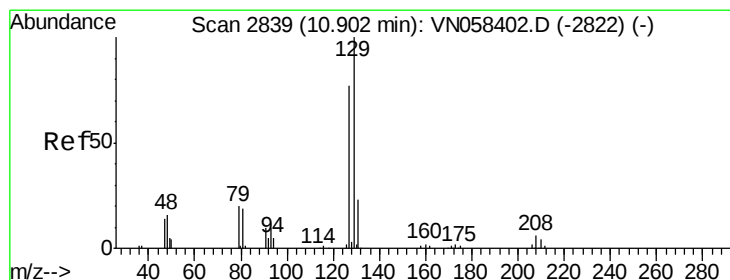
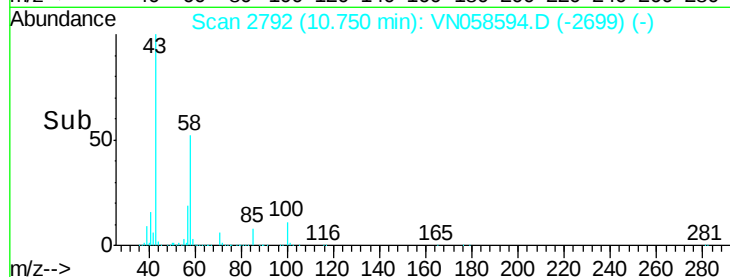
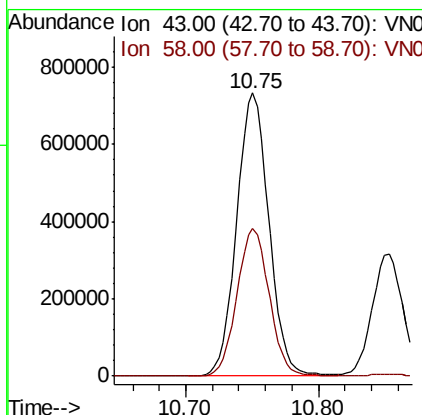
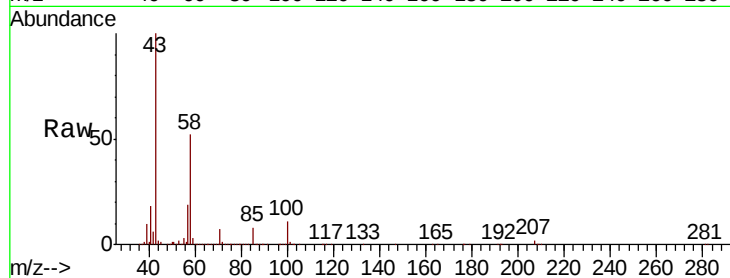
#59
2-Hexanone
Concen: 298.129 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1234242
Ion Ratio Lower Upper
43 100
58 52.4 25.8 77.3

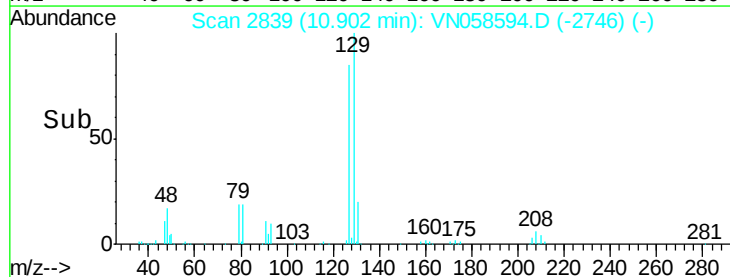
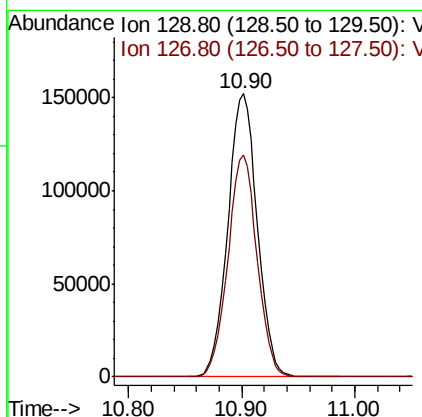
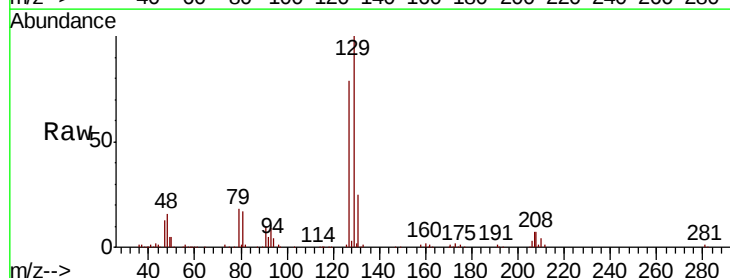
Manual Integrations
APPROVED

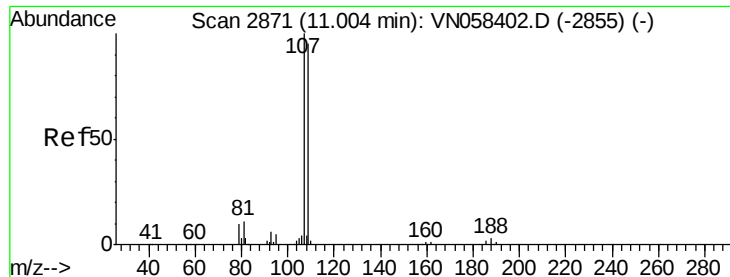
MMDadoda
10/9/2019 10:51:03 AM



#60
Dibromochloromethane
Concen: 58.148 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion: 129 Resp: 274974
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





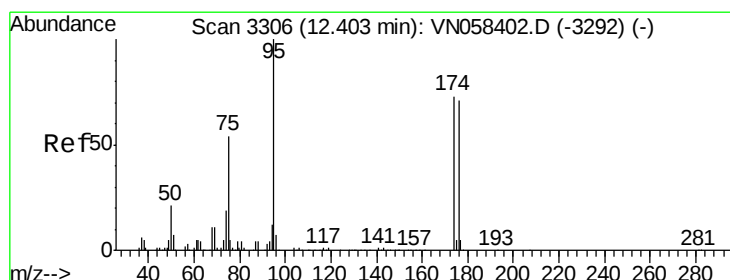
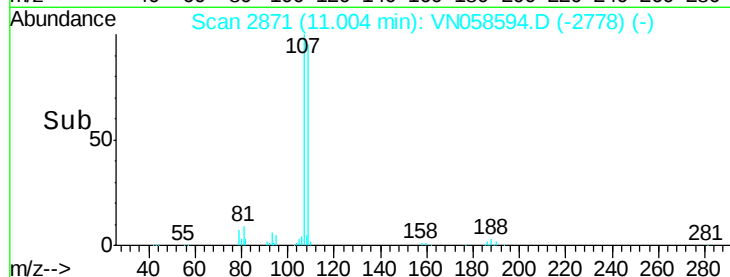
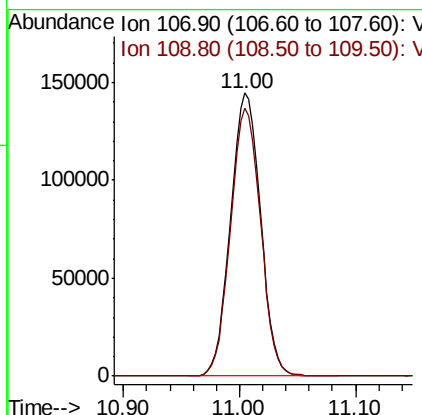
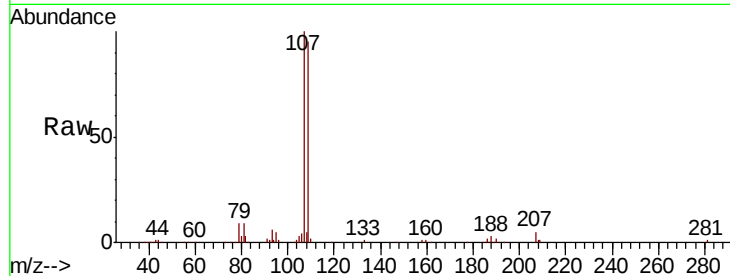
#61
 1,2-Dibromoethane
 Concen: 55.182 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.3	112.9

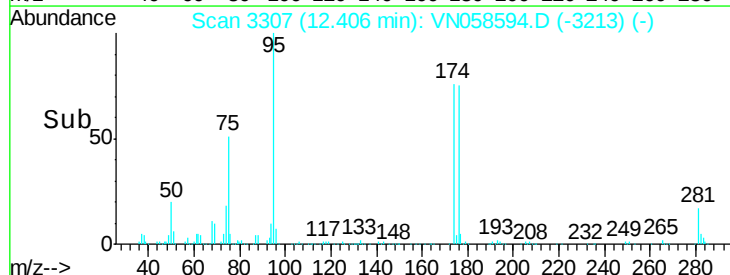
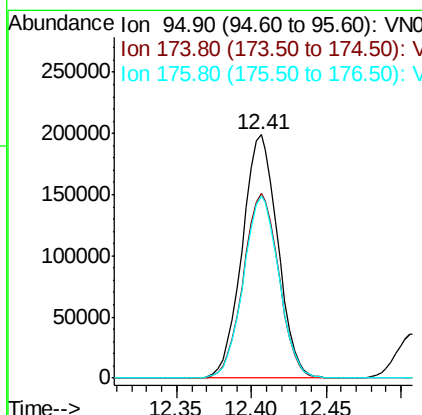
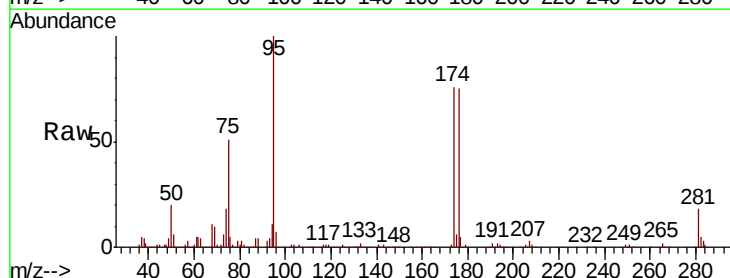
Manual Integrations
 APPROVED

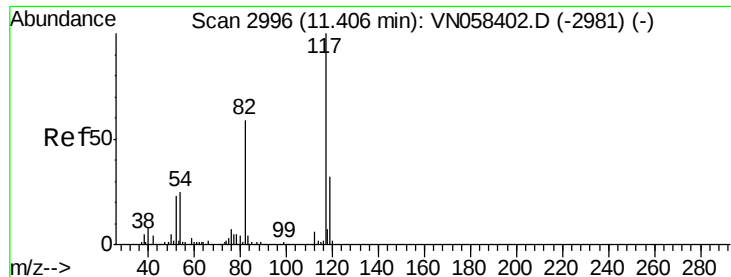
MMDadoda
 10/9/2019 10:51:03 AM



#62
 4-Bromofluorobenzene
 Concen: 52.228 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.6
176	74.8	0.0	146.2





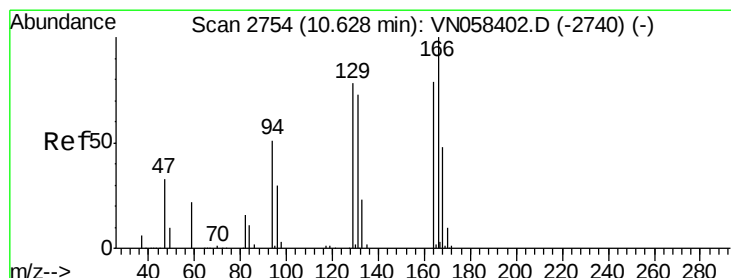
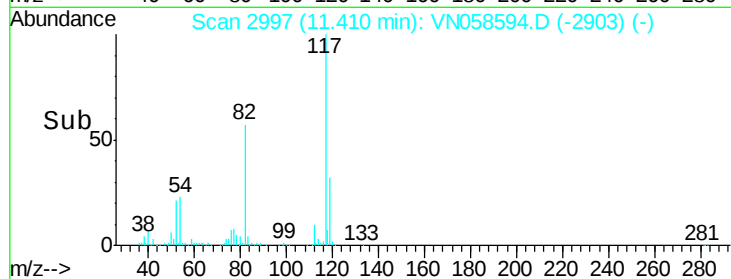
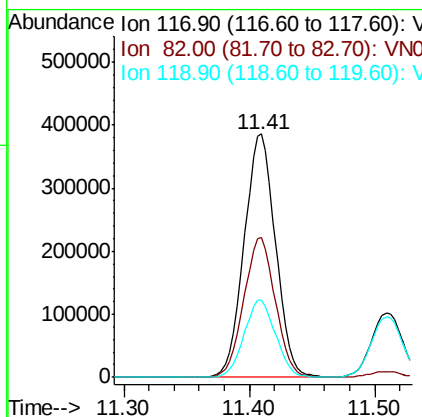
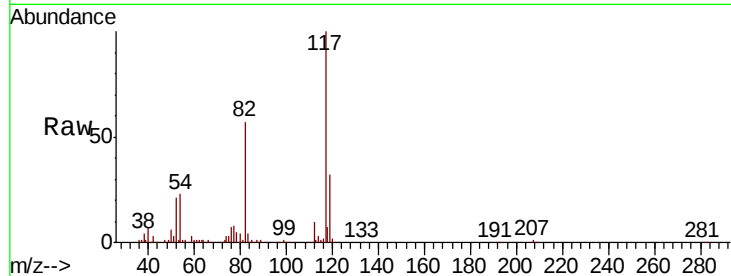
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.4	71.0
119	31.7	25.5	38.3

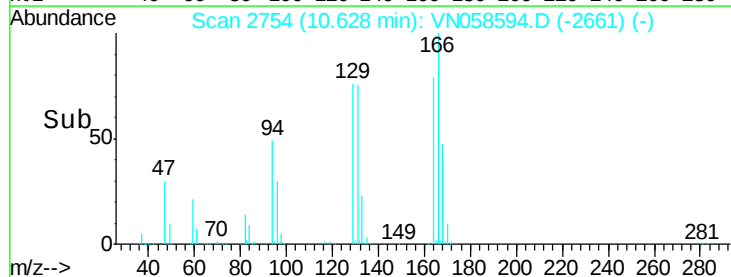
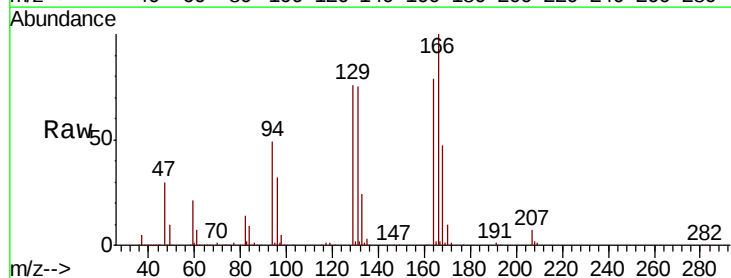
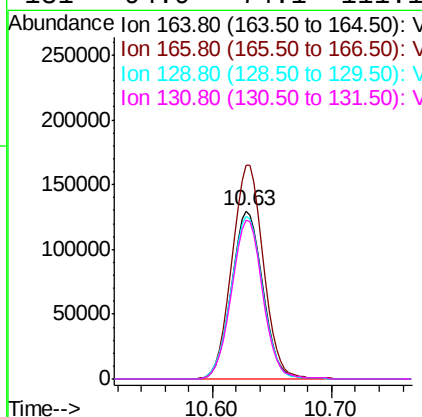
Manual Integrations
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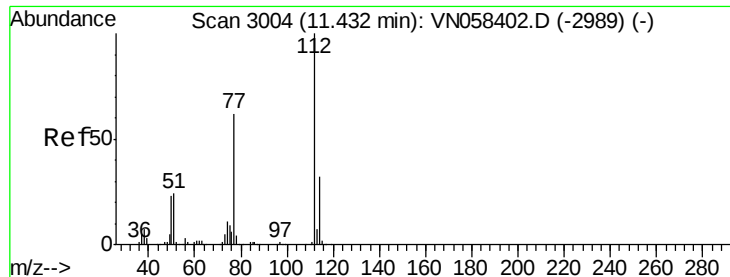
MMDadoda
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#64
Tetrachloroethene
Concen: 55.294 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.1	151.7
129	97.0	79.2	118.8
131	94.9	74.1	111.1





#65

Chlorobenzene

Concen: 51.074 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 682964

Ion Ratio Lower Upper

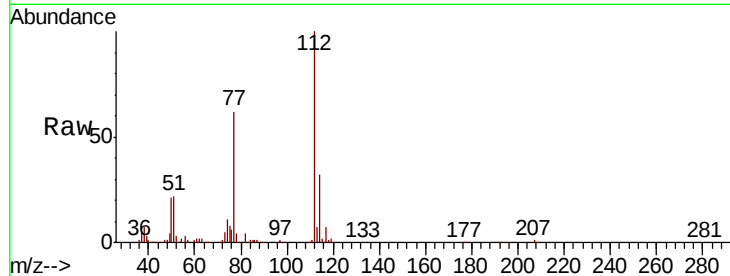
112 100

114 32.0 25.4 38.2

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

400000

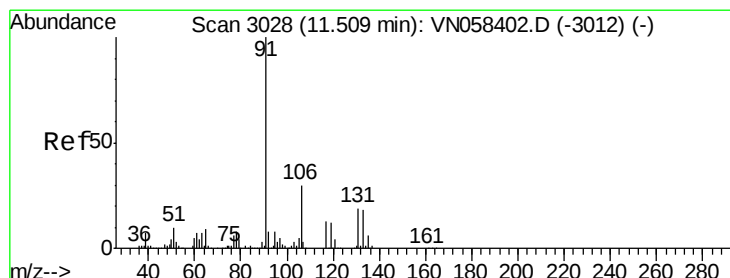
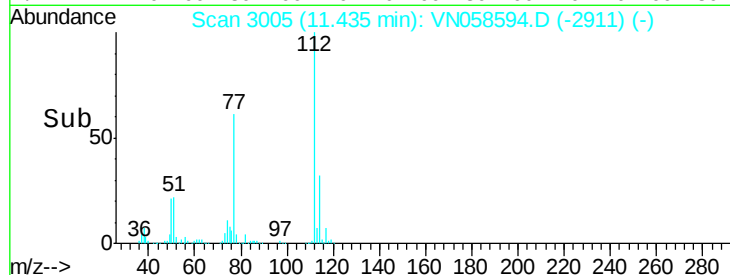
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 57.517 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

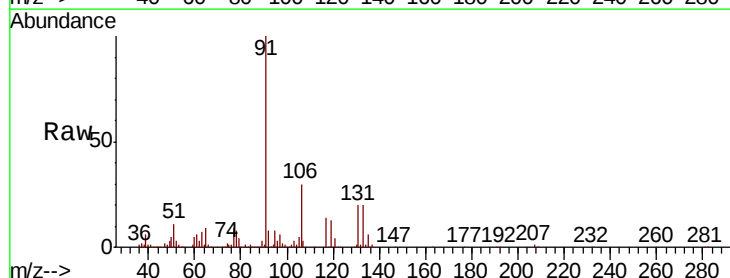
Tgt Ion:131 Resp: 259133

Ion Ratio Lower Upper

131 100

133 96.9 47.8 143.3

119 66.0 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

200000

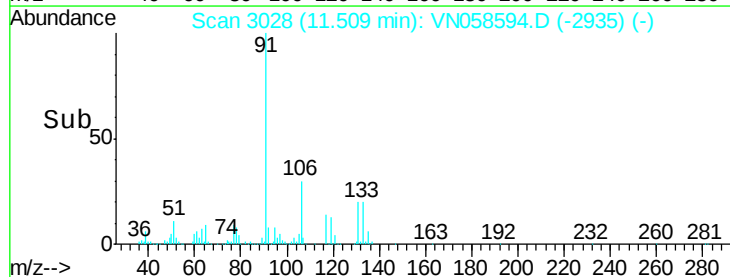
150000

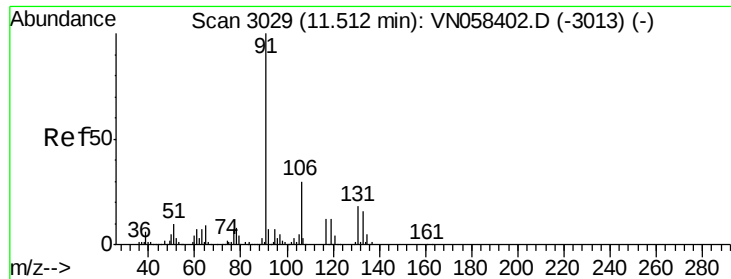
100000

50000

0

Time-->





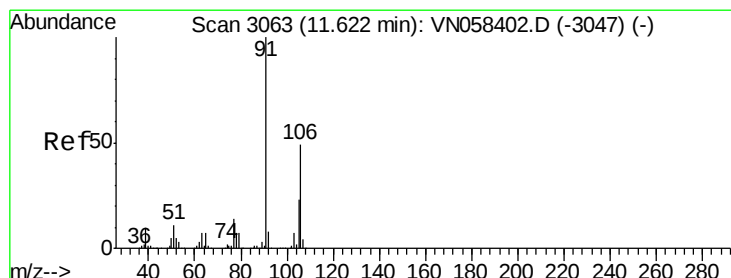
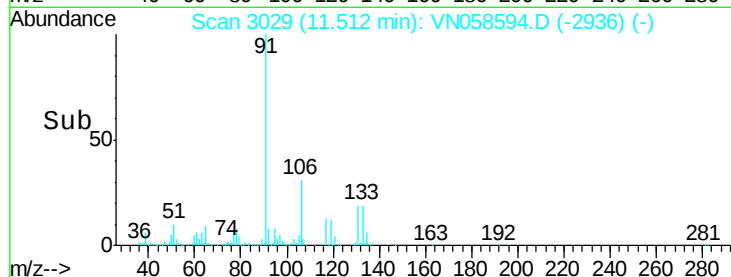
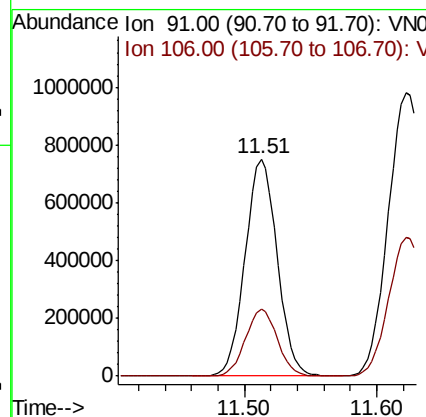
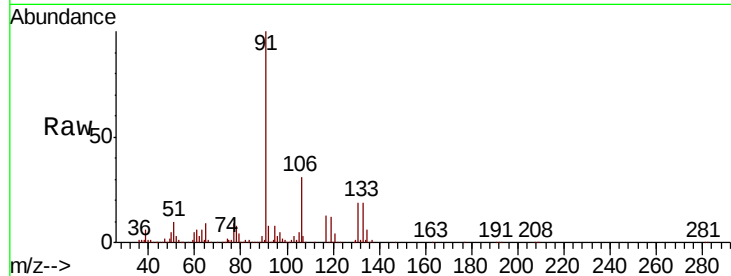
#67
Ethyl Benzene
Concen: 52.042 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1260503
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5

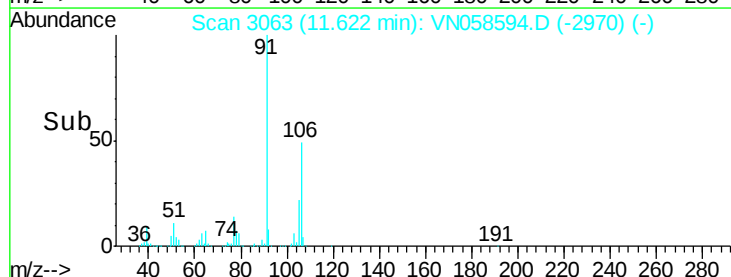
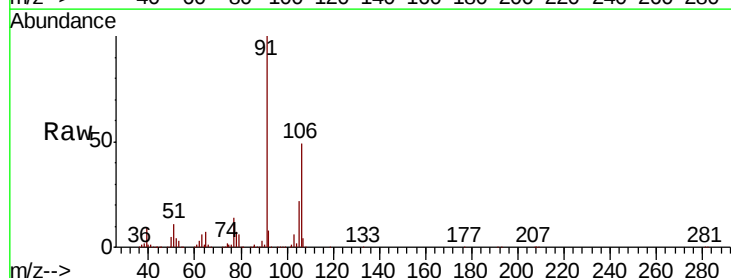
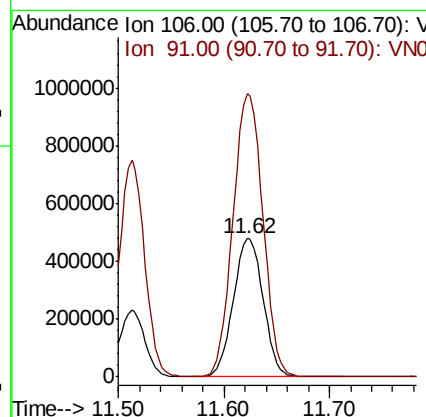
Manual Integrations
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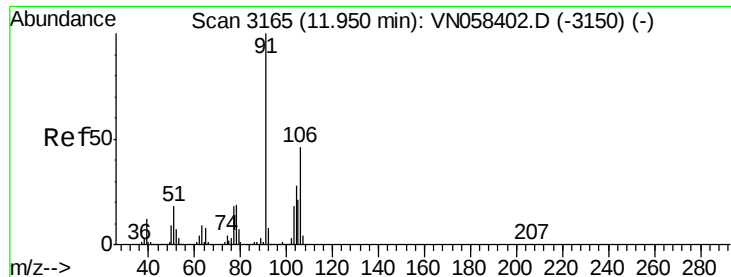
MMDadoda
10/9/2019 10:51:03 AM



#68
m/p-Xylenes
Concen: 102.814 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion: 106 Resp: 936926
Ion Ratio Lower Upper
106 100
91 205.2 165.0 247.4





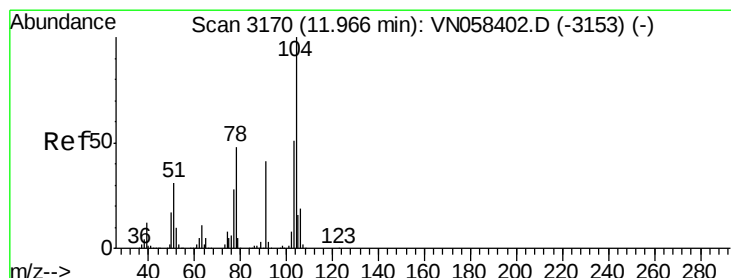
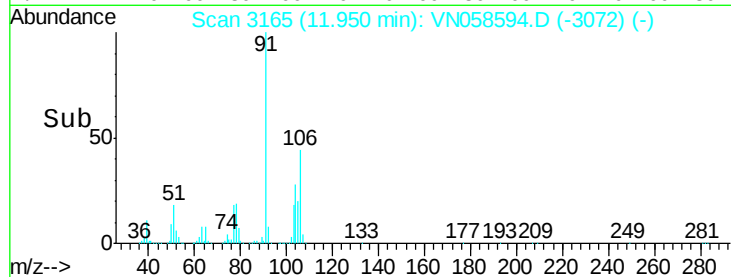
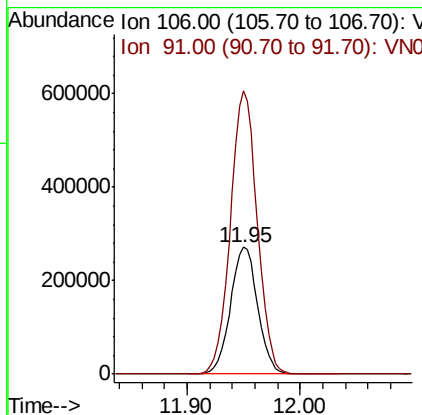
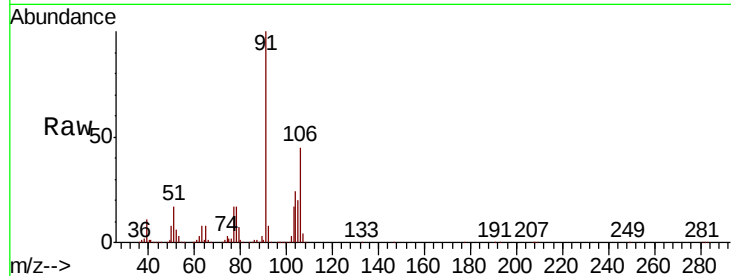
#69
o-Xylene
Concen: 51.542 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	220.5	109.1	327.4	

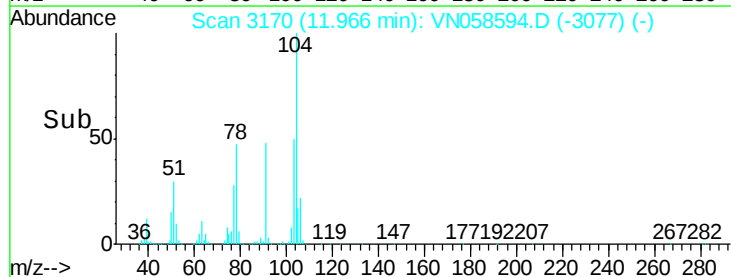
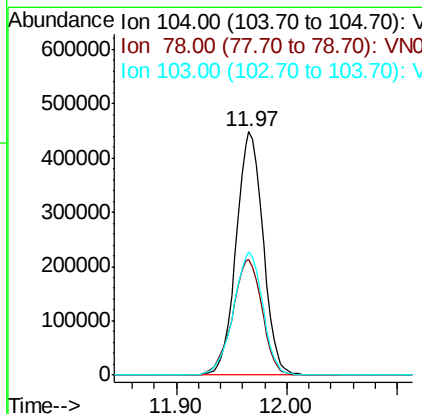
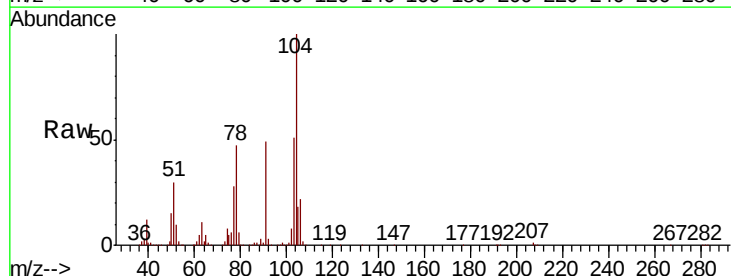
Manual Integrations
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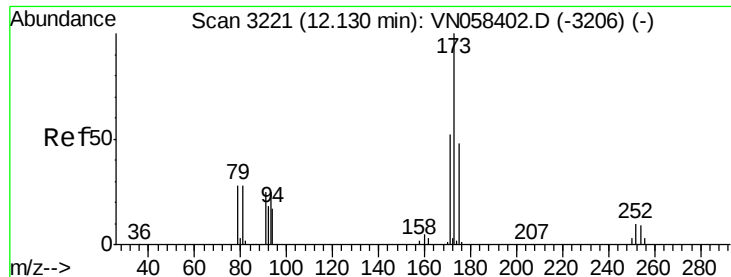
MMDadoda
10/9/2019 10:51:03 AM



#70
Styrene
Concen: 53.154 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.4	42.8	64.2	
103	55.2	43.7	65.5	





#71

Bromoform

Concen: 59.555 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

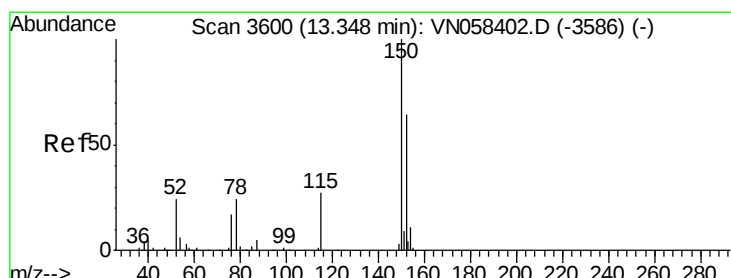
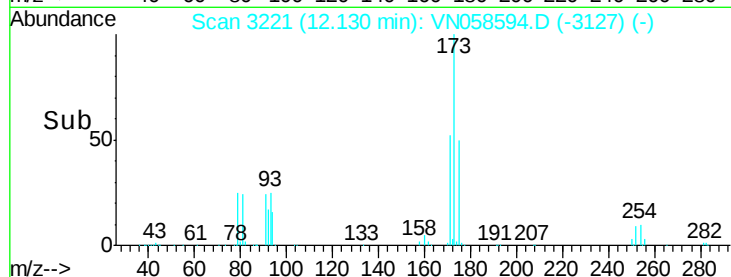
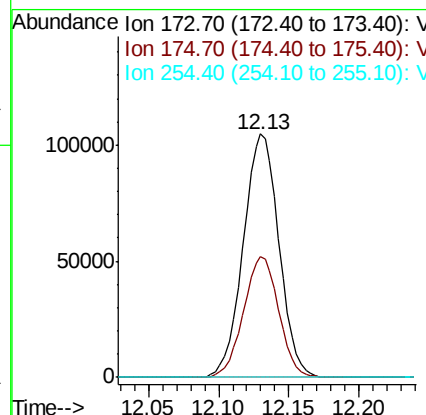
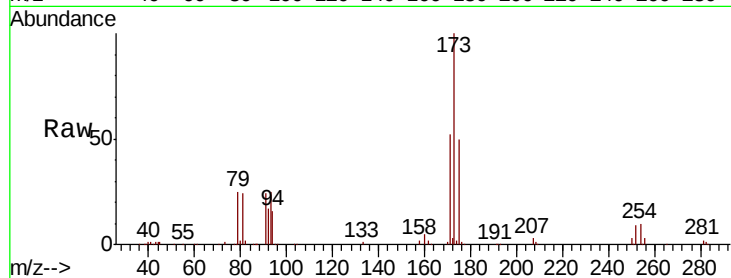
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	73.0
254	0.0	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

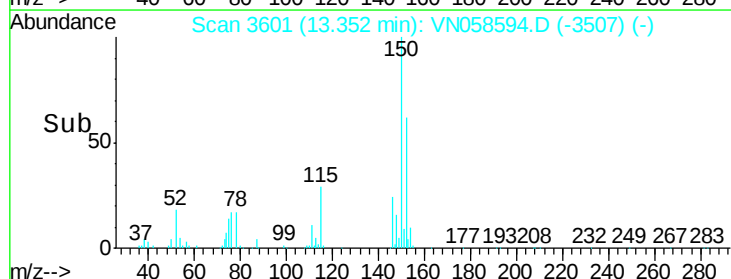
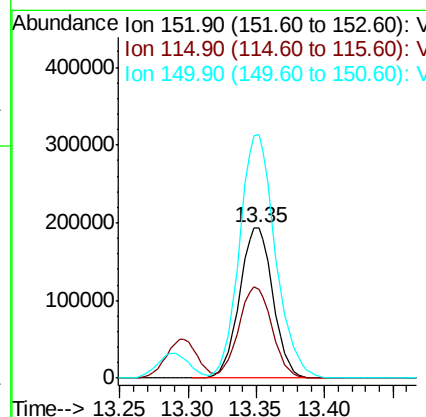
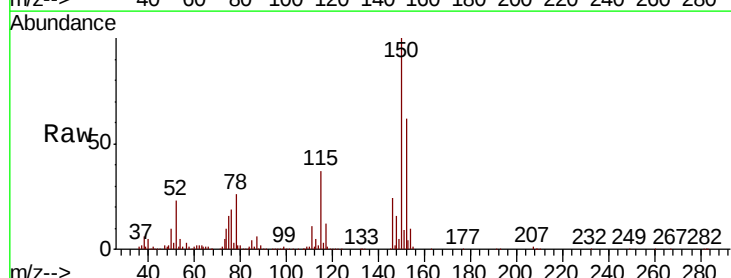
RT: 13.35 min Scan# 3601

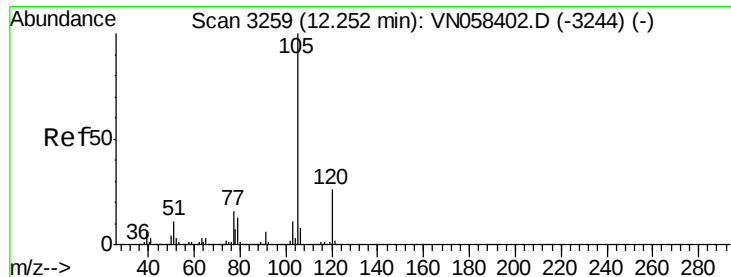
Delta R.T. 0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.0	90.0
150	174.2	0.0	348.2





#73

Isopropylbenzene

Concen: 50.579 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1226269

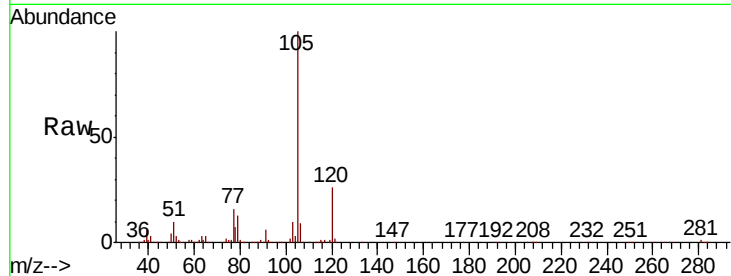
Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4

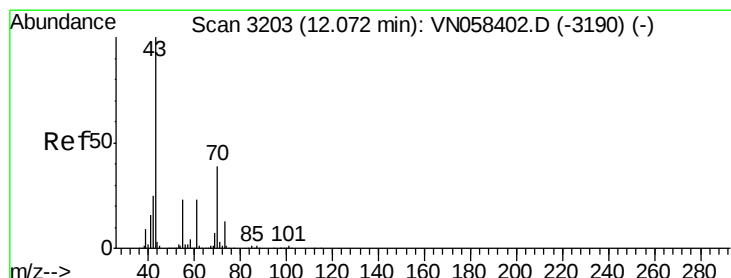
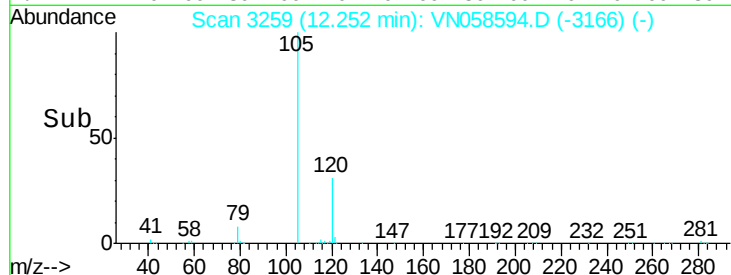
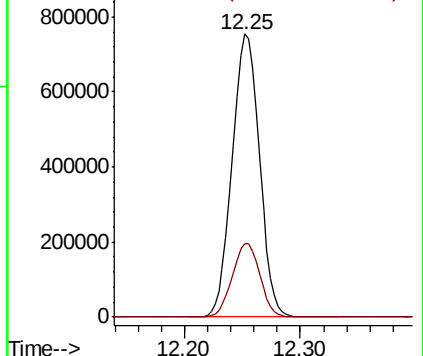
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.809 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tgt Ion: 43 Resp: 528642

Ion Ratio Lower Upper

43 100

70 40.0 31.4 47.2

55 24.1 18.2 27.4

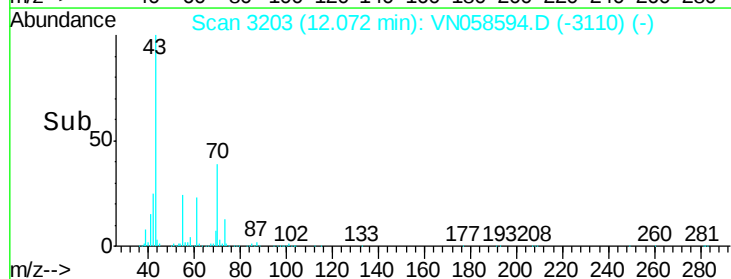
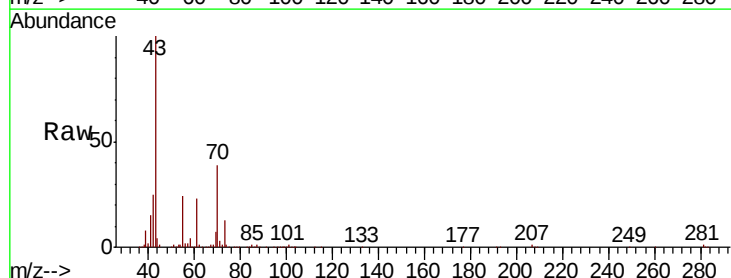
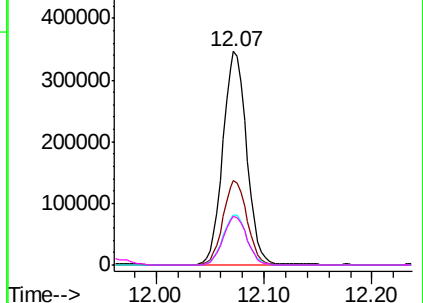
61 23.0 18.3 27.5

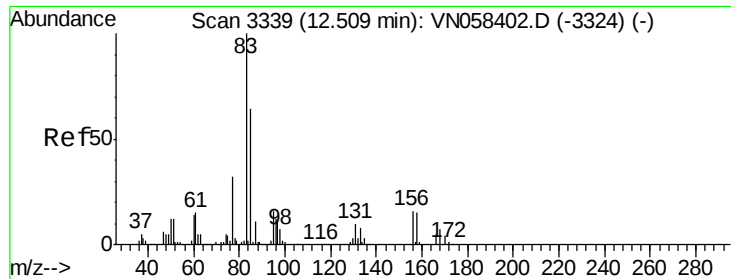
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.868 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

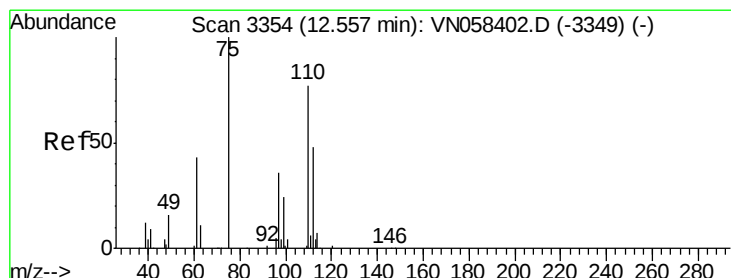
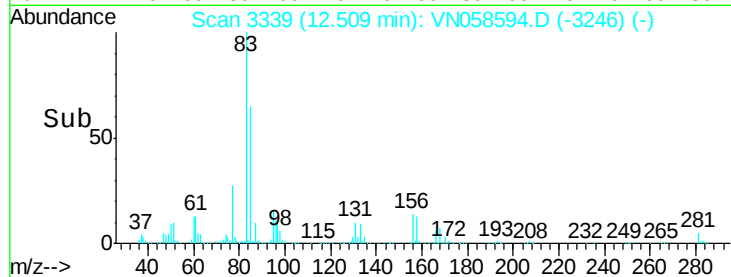
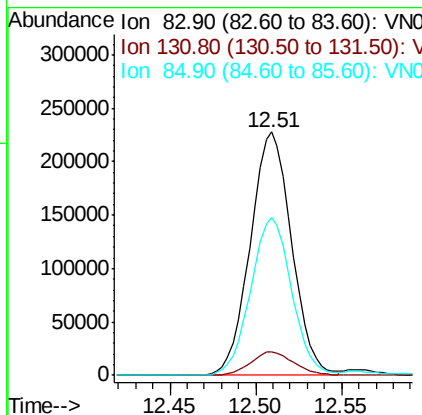
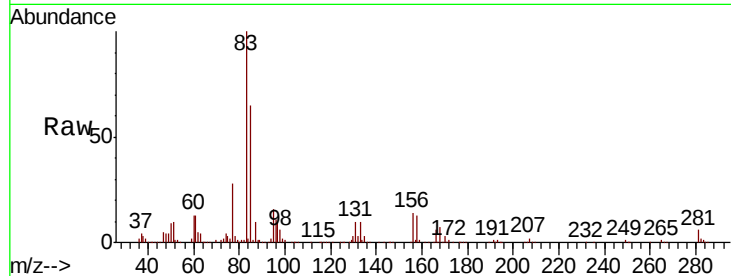
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	379023
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	64.1	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 60.033 ug/l m

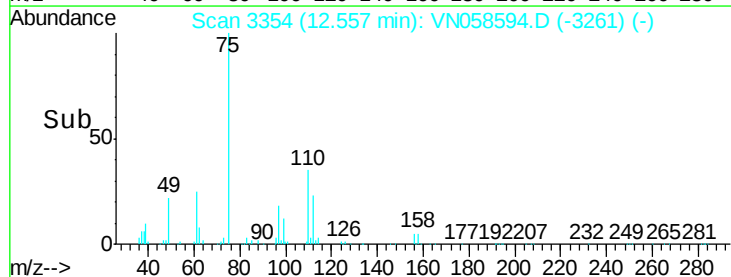
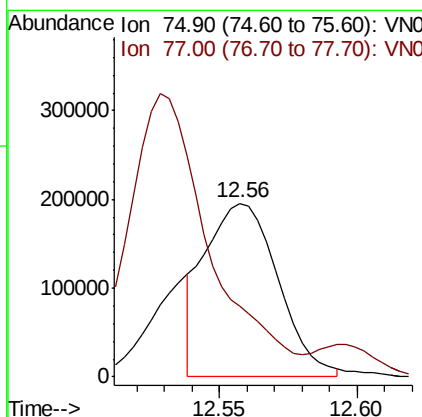
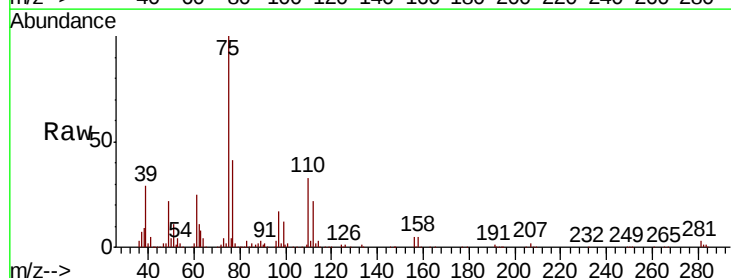
RT: 12.56 min Scan# 3354

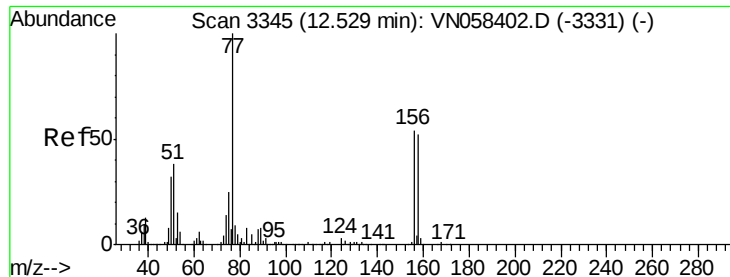
Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tgt Ion:	75	Resp:	359726
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.507 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 292809

Ion Ratio Lower Upper

156 100

77 223.0 110.0 330.0

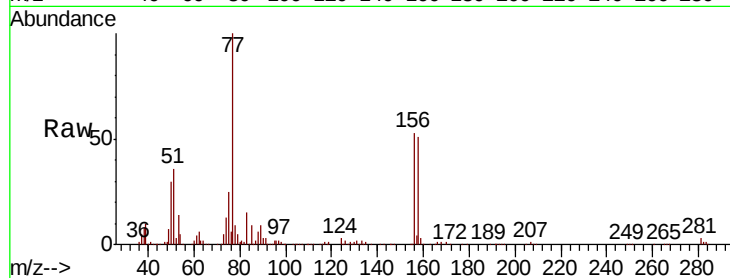
158 96.6 47.9 143.8

Manual Integrations

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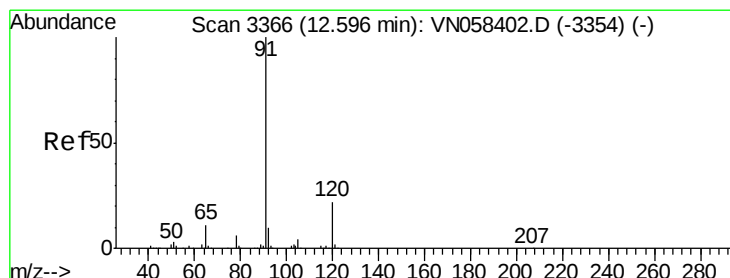
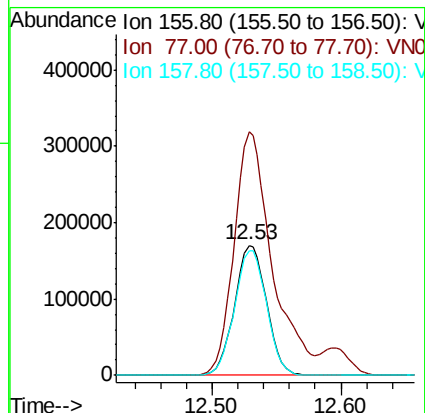
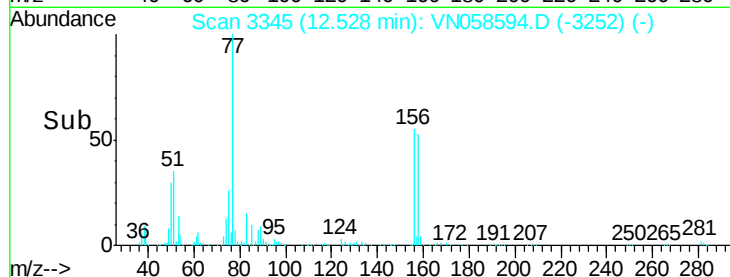
10/9/2019 10:51:03 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.104 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058594.D

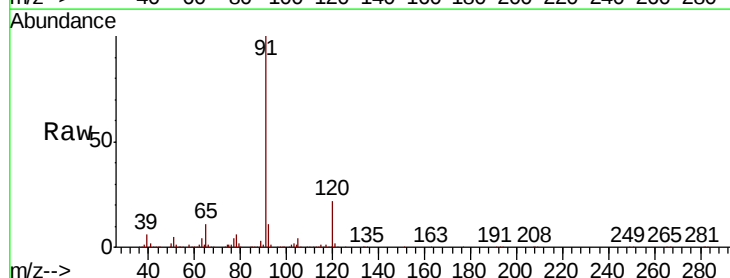
Acq: 8 Oct 2019 1:36

Tgt Ion: 91 Resp: 1423178

Ion Ratio Lower Upper

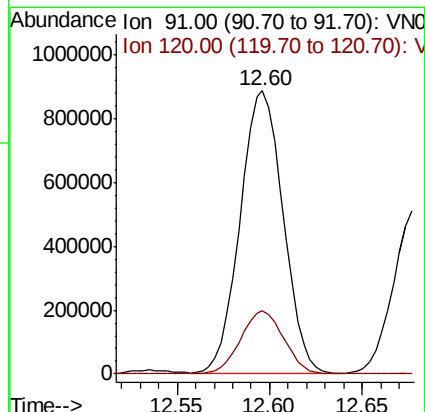
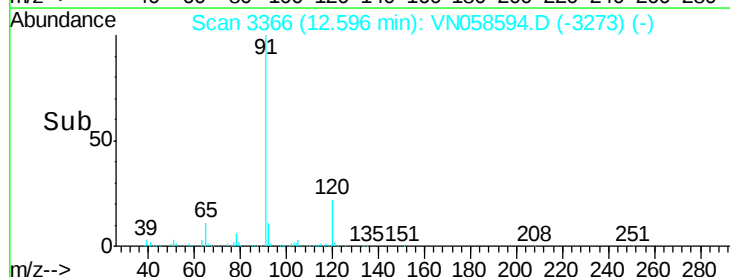
91 100

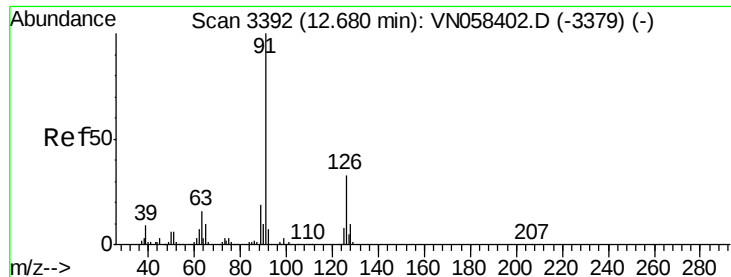
120 22.3 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.165 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 862609

Ion Ratio Lower Upper

91 100

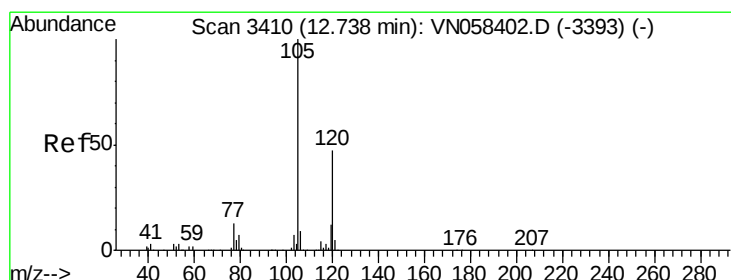
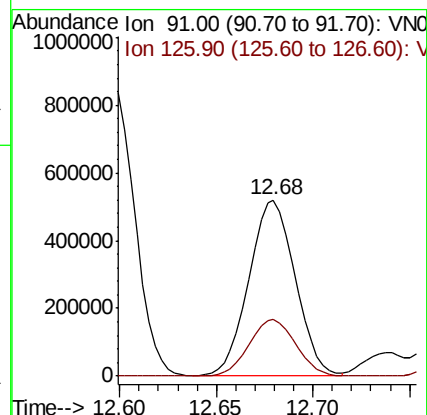
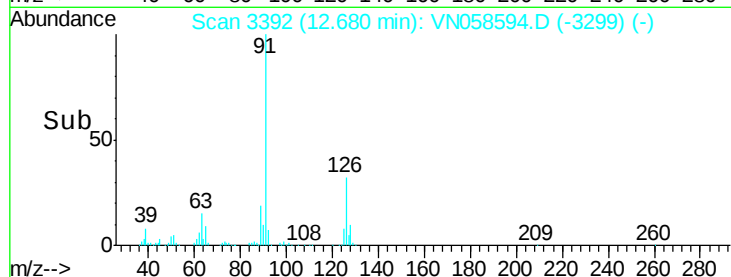
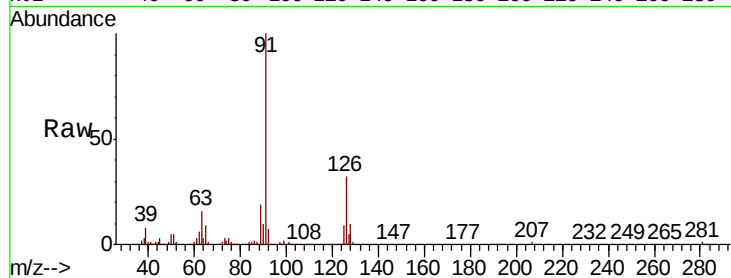
126 32.5 16.2 48.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.581 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058594.D

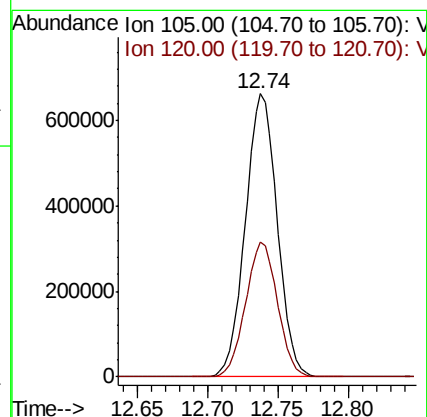
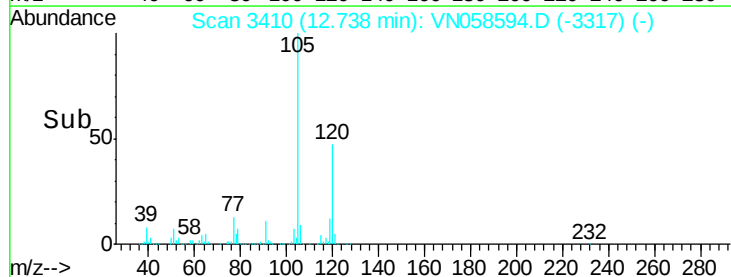
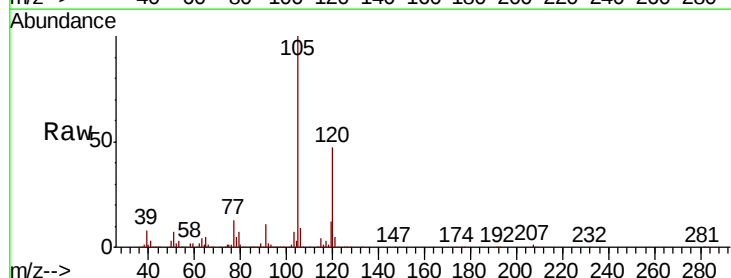
Acq: 8 Oct 2019 1:36

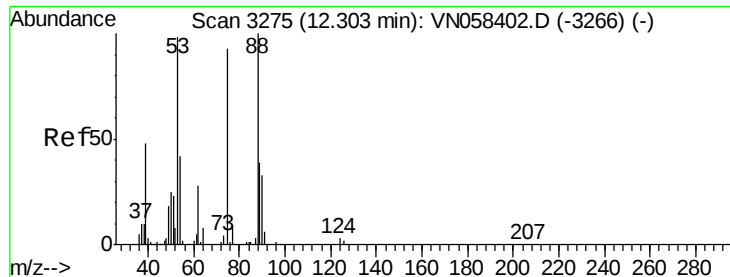
Tgt Ion: 105 Resp: 1046852

Ion Ratio Lower Upper

105 100

120 47.8 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 56.148 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 110778

Ion Ratio Lower Upper

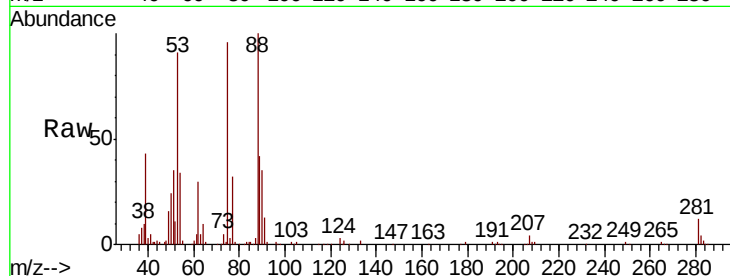
75 100

53 97.0 85.4 128.0

89 43.6 35.0 52.4

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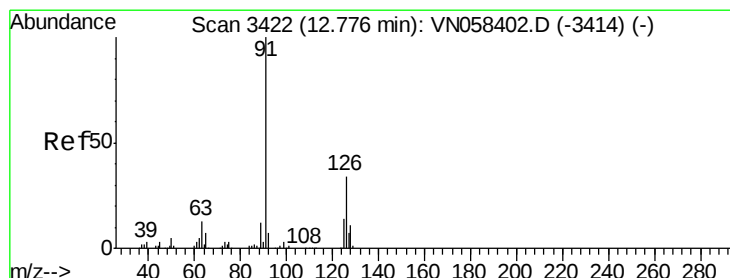
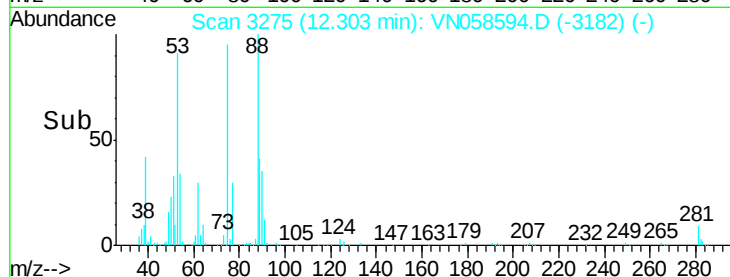
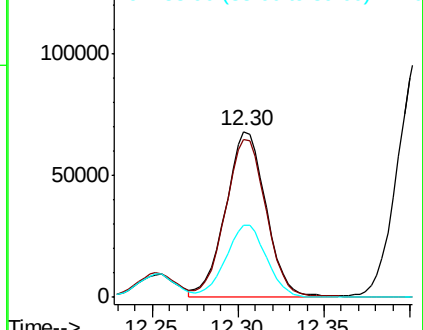
MMDadoda
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Abundance Ion 74.90 (74.60 to 75.60): VN058402.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN058402.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN058402.D (-3266) (-)



#82

4-Chlorotoluene

Concen: 51.636 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058594.D

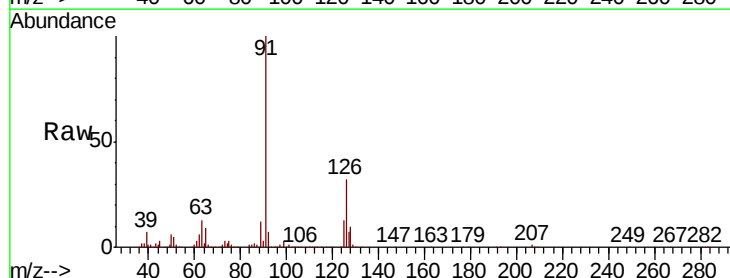
Acq: 8 Oct 2019 1:36

Tgt Ion: 91 Resp: 888304

Ion Ratio Lower Upper

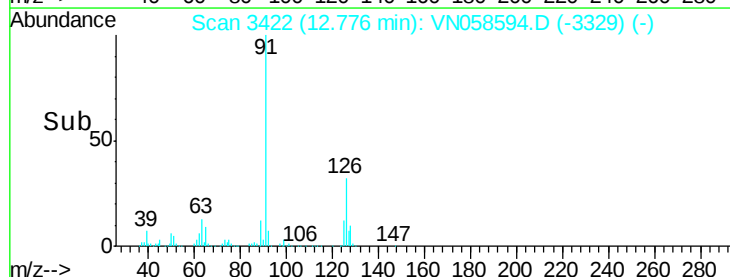
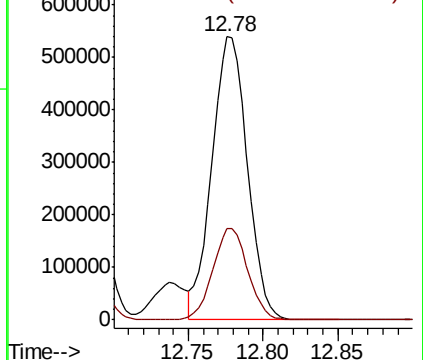
91 100

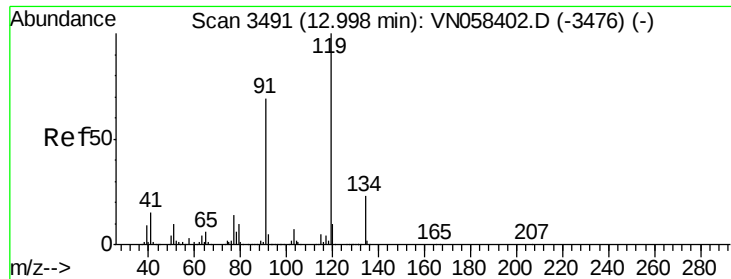
126 32.0 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3414) (-)

Ion 125.90 (125.60 to 126.60): VN058402.D (-3414) (-)





#83

tert-Butylbenzene

Concen: 51.577 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

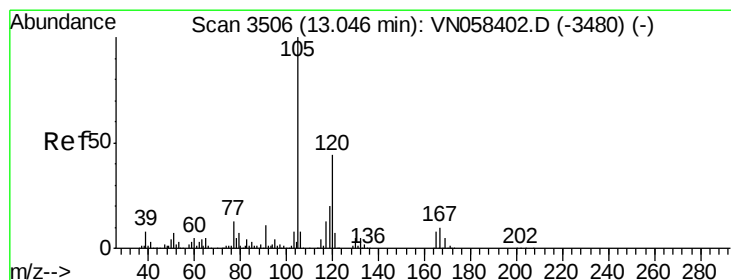
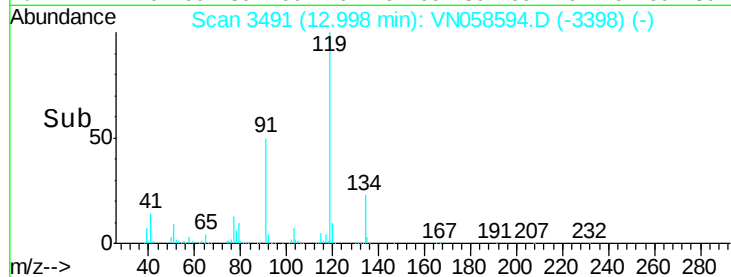
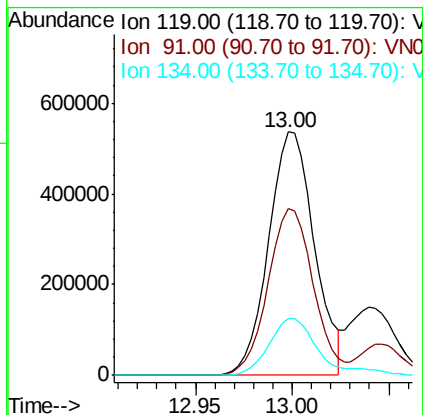
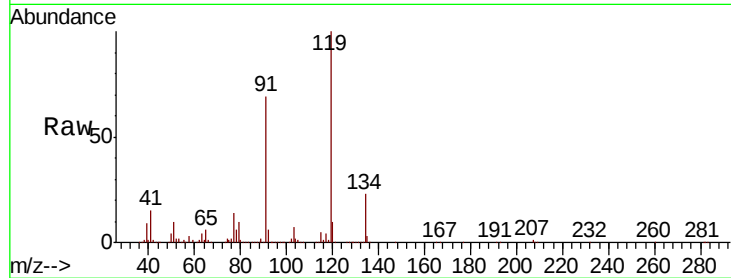
ClientSampled :

VSTDCCC050EC

Tot Ion:	119	Resp:	883274
Ion Ratio	Lower	Upper	
119	100		
91	67.7	34.2	102.6
134	25.5	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.576 ug/l

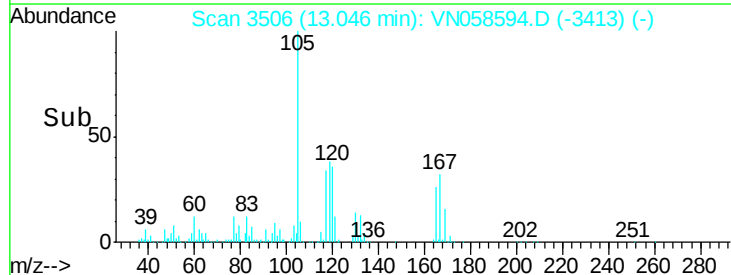
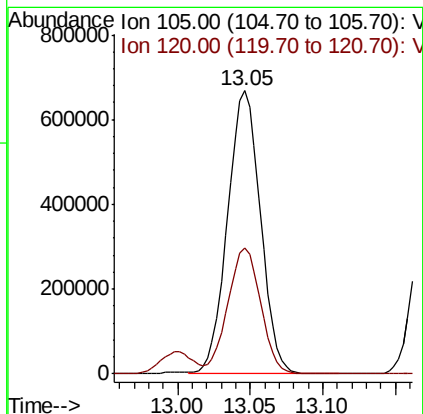
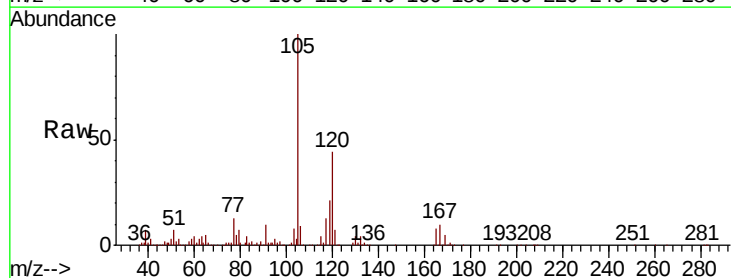
RT: 13.05 min Scan# 3506

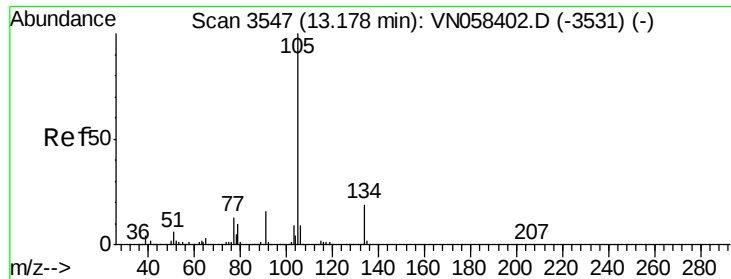
Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tgt Ion:	105	Resp:	1048735
Ion Ratio	Lower	Upper	
105	100		
120	44.5	21.7	65.1





#85

sec-Butylbenzene

Concen: 52.209 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1176821

Ion Ratio Lower Upper

105 100

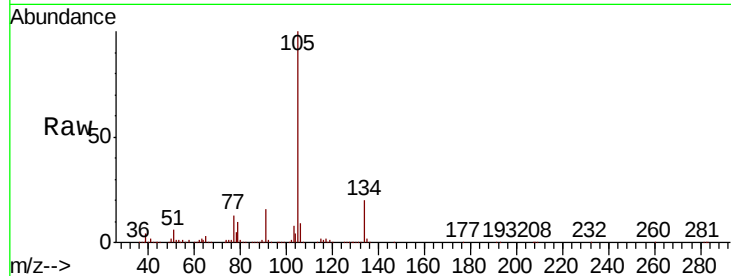
134 19.5 9.4 28.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

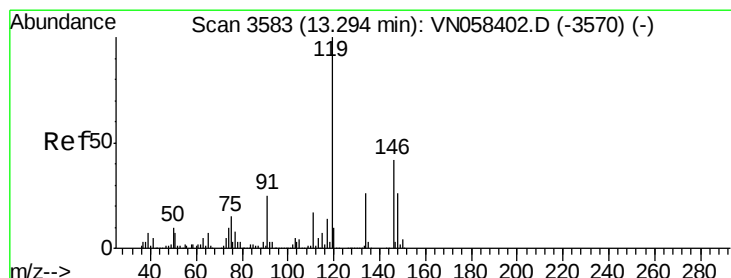
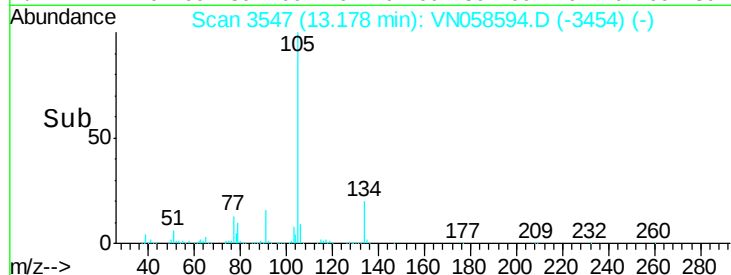
200000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 53.958 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

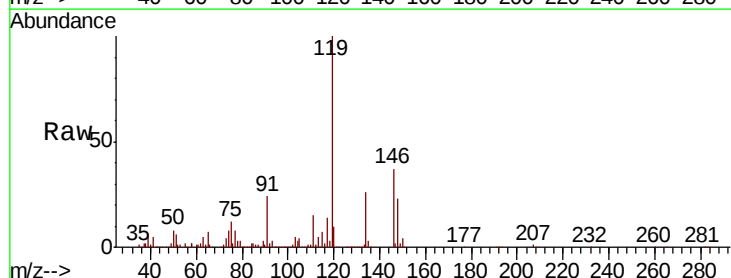
Tgt Ion:119 Resp: 1070590

Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

91 24.3 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

400000

200000

0

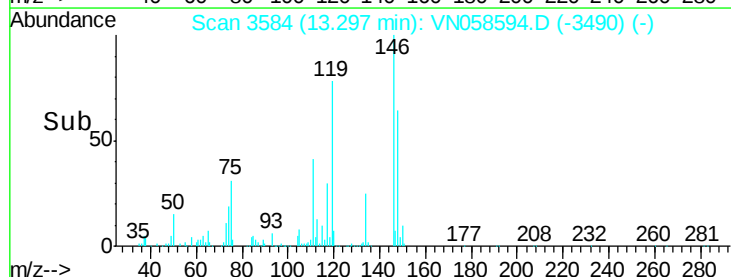
13.20

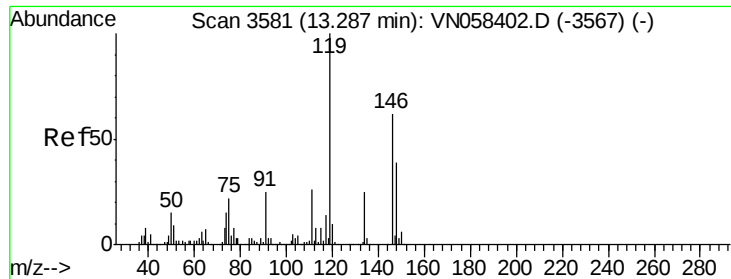
13.25

13.30

13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.619 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058594.D

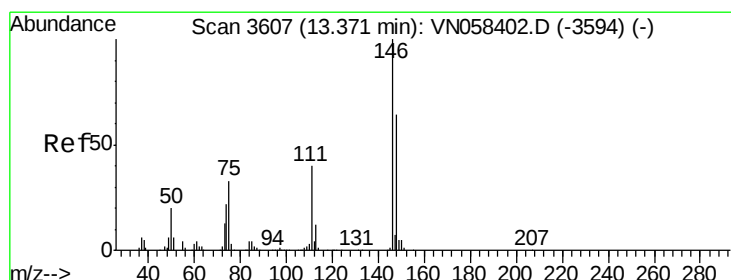
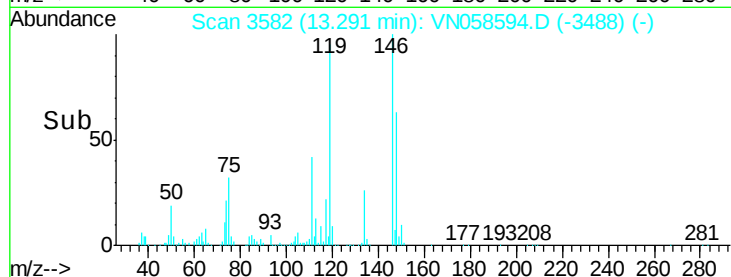
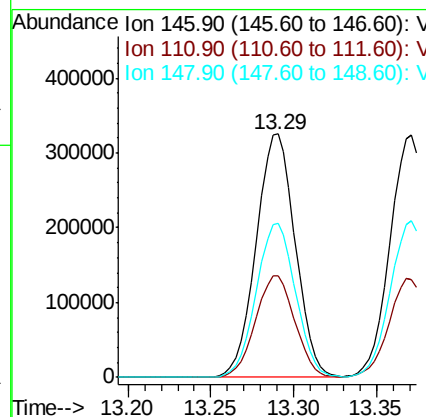
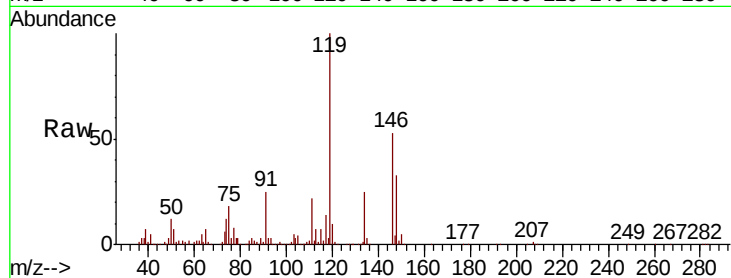
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.4
148	63.7	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.556 ug/l

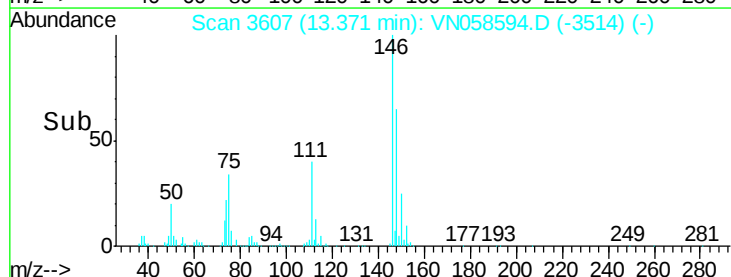
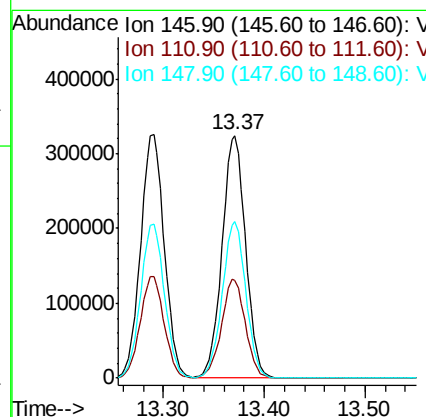
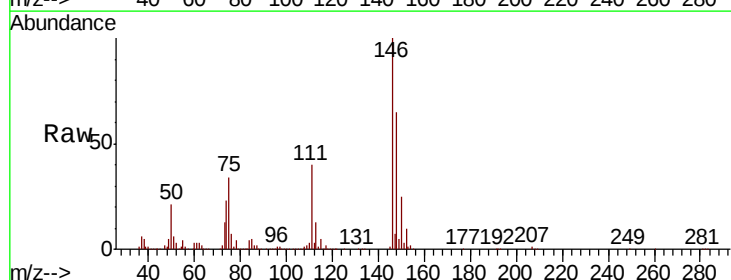
RT: 13.37 min Scan# 3607

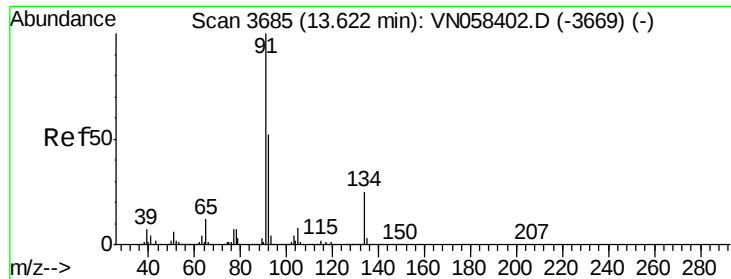
Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.6
148	64.5	31.5	94.5





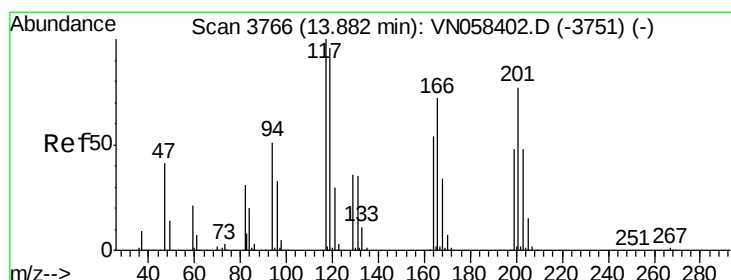
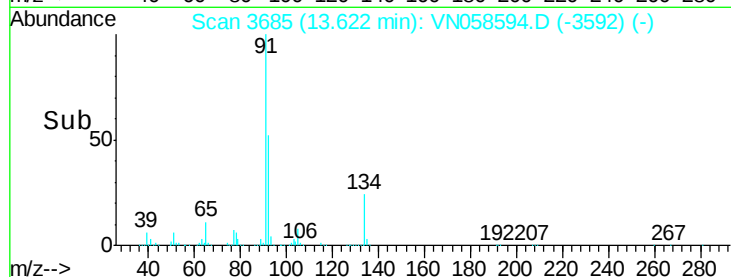
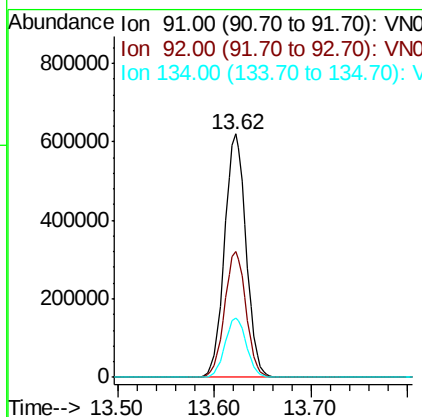
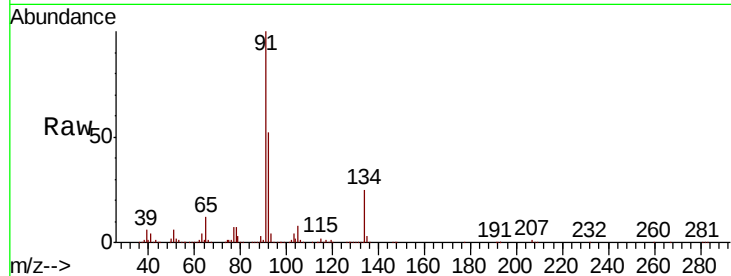
#89
n-Butylbenzene
Concen: 53.212 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.6	25.7	77.1	
134	24.4	12.2	36.6	

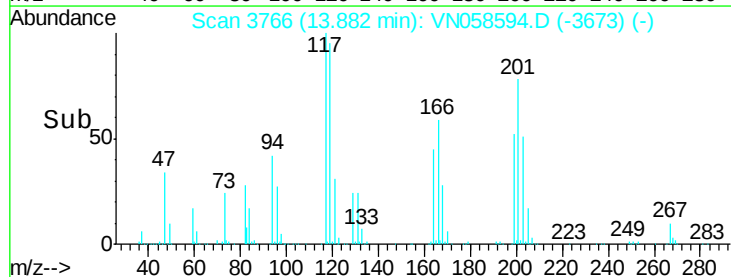
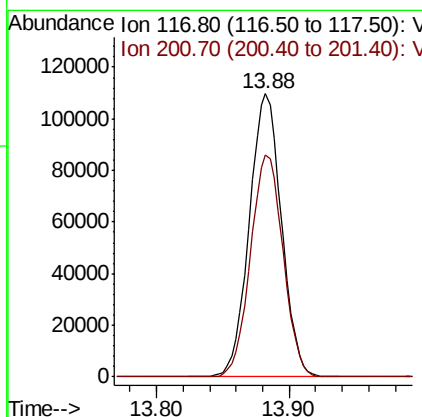
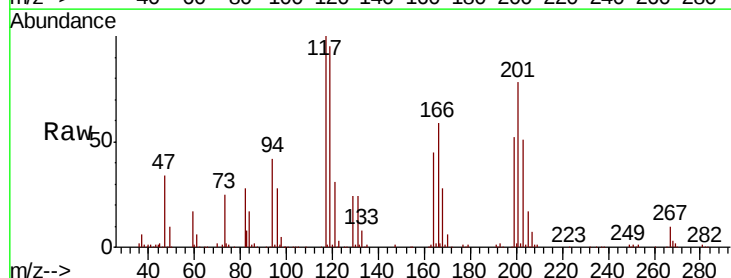
Manual Integrations
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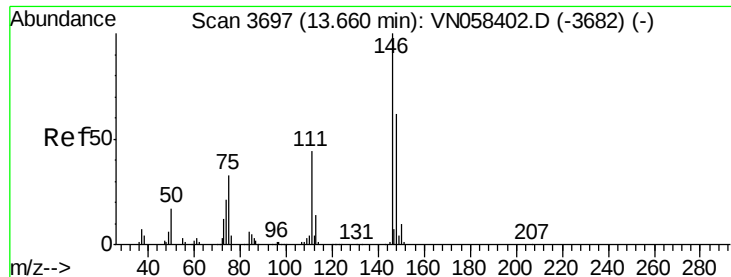
MMDadoda
10/9/2019 10:51:03 AM



#90
Hexachloroethane
Concen: 61.901 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058594.D
Acq: 8 Oct 2019 1:36

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	79.3	38.6	116.0	





#91

1,2-Dichlorobenzene

Concen: 52.787 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

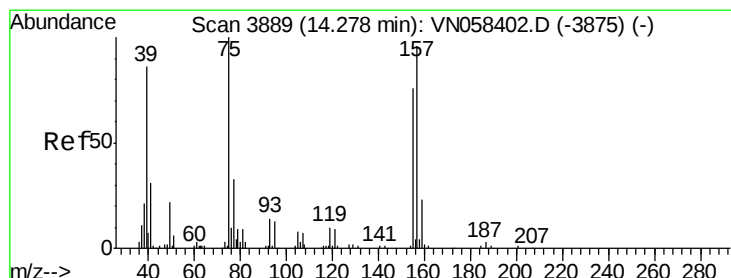
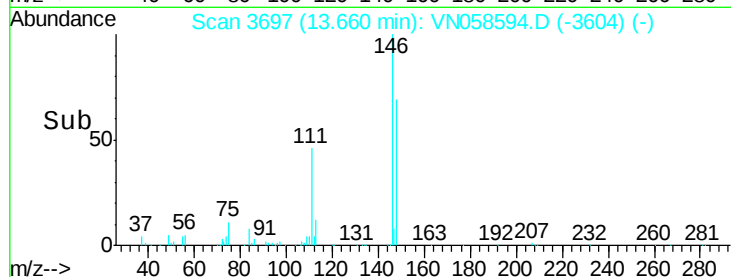
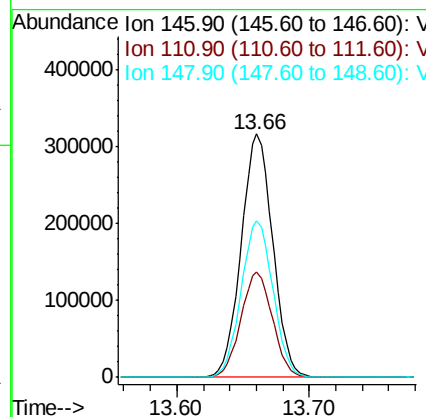
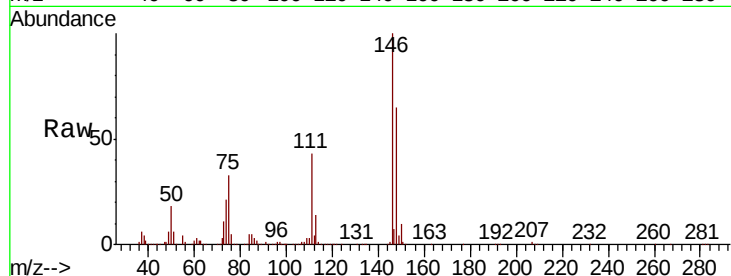
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	522828
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.8	65.3
148	65.0	31.5	94.5

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:51:03 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.189 ug/l

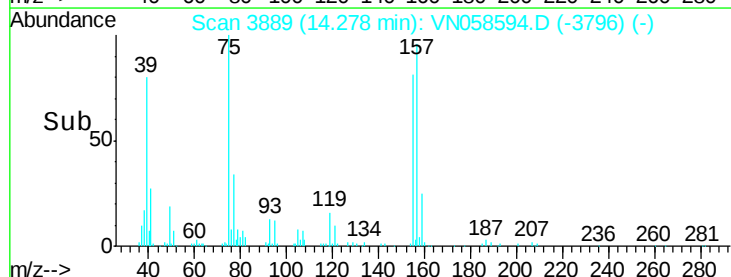
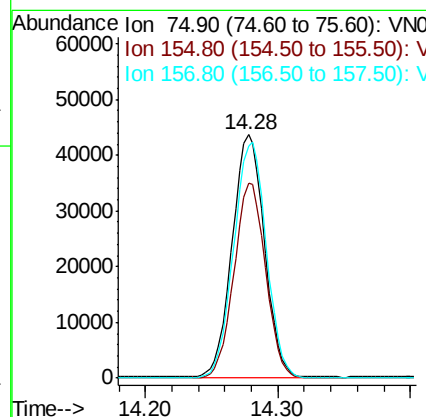
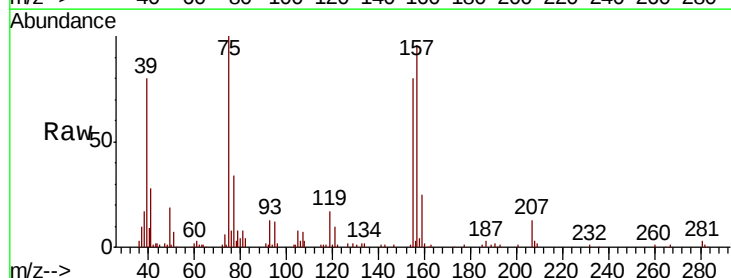
RT: 14.28 min Scan# 3889

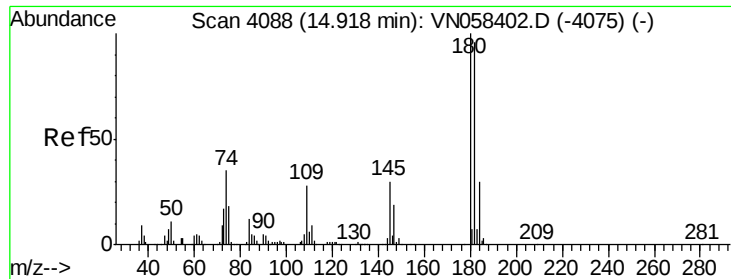
Delta R.T. -0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tgt Ion:	75	Resp:	73565
Ion Ratio	Lower	Upper	
75	100		
155	78.7	39.2	117.6
157	98.4	48.7	146.1





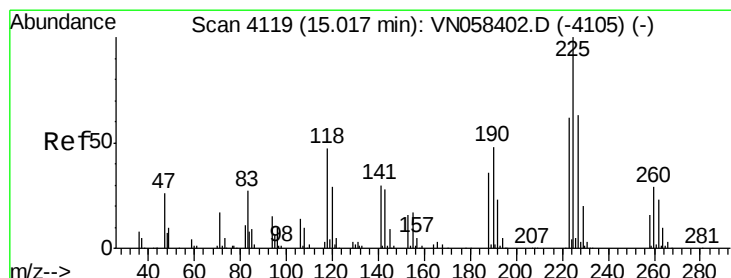
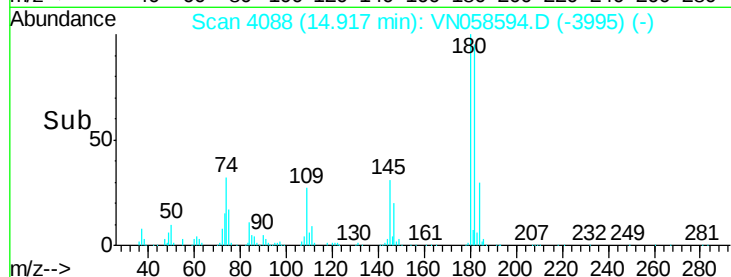
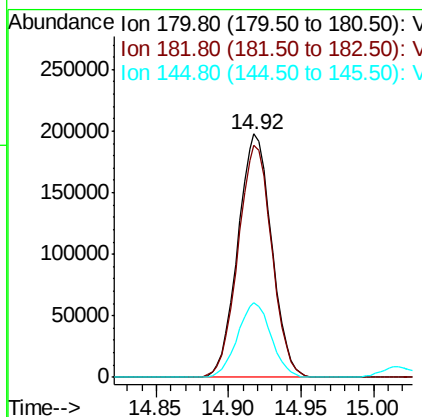
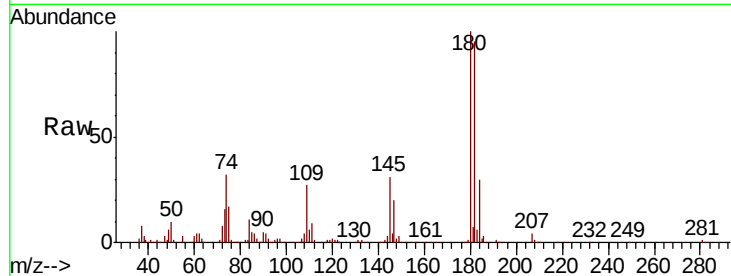
#93
 1,2,4-Trichlorobenzene
 Concen: 58.605 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	320754		
182	94.9	47.4	142.3	
145	30.5	15.3	45.9	

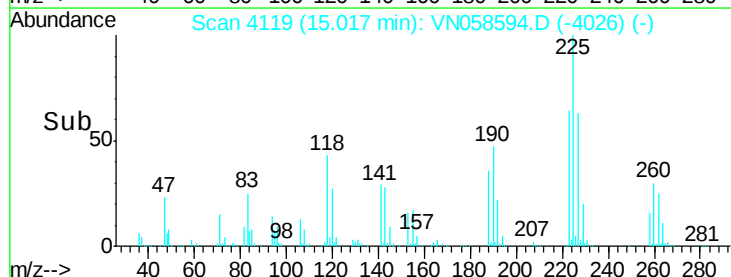
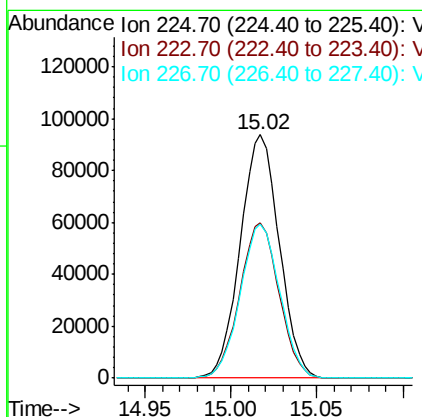
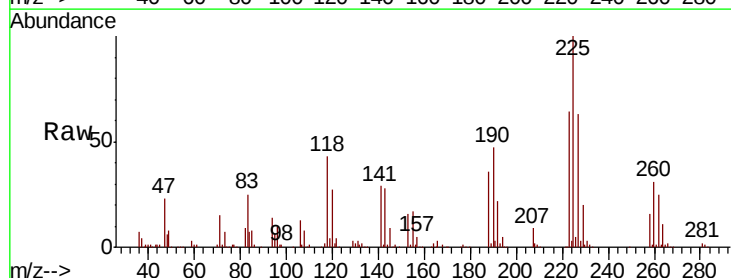
Manual Integrations
 APPROVED

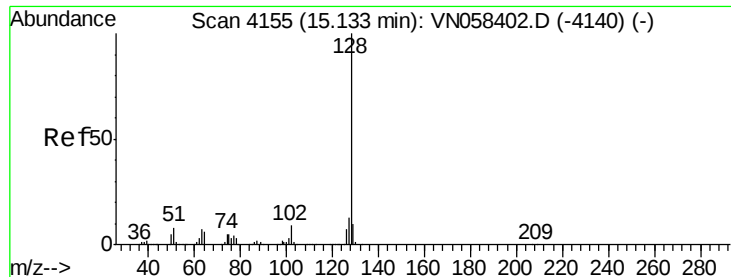
MMDadoda
 10/9/2019 10:51:03 AM



#94
 Hexachlorobutadiene
 Concen: 52.456 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058594.D
 Acq: 8 Oct 2019 1:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	147563		
223	64.1	31.1	93.5	
227	64.1	31.4	94.2	





#95

Naphthalene

Concen: 56.157 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Instrument :

MSVOA_N

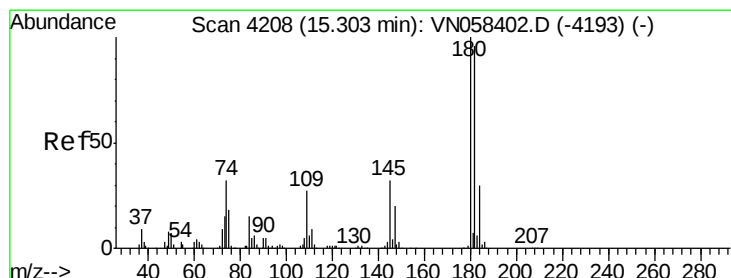
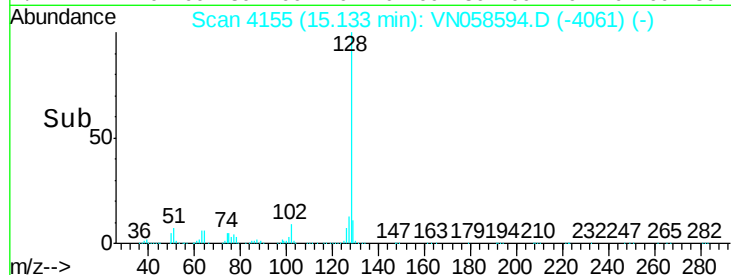
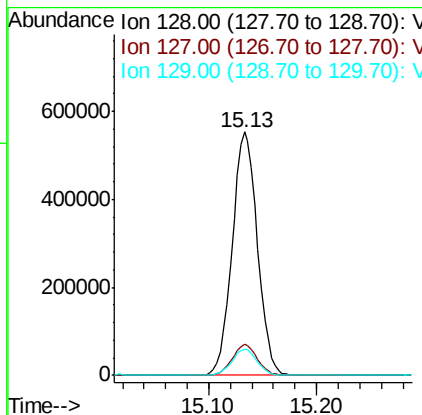
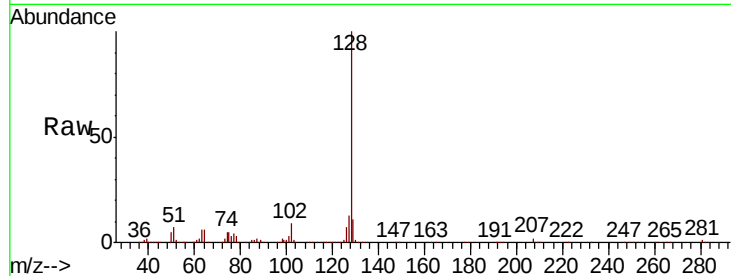
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	900031
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.8	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:51:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 55.355 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058594.D

Acq: 8 Oct 2019 1:36

Tgt Ion:	180	Resp:	303726
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.3	144.9
145	31.7	16.1	48.3

